INTERNATIONAL EDITION

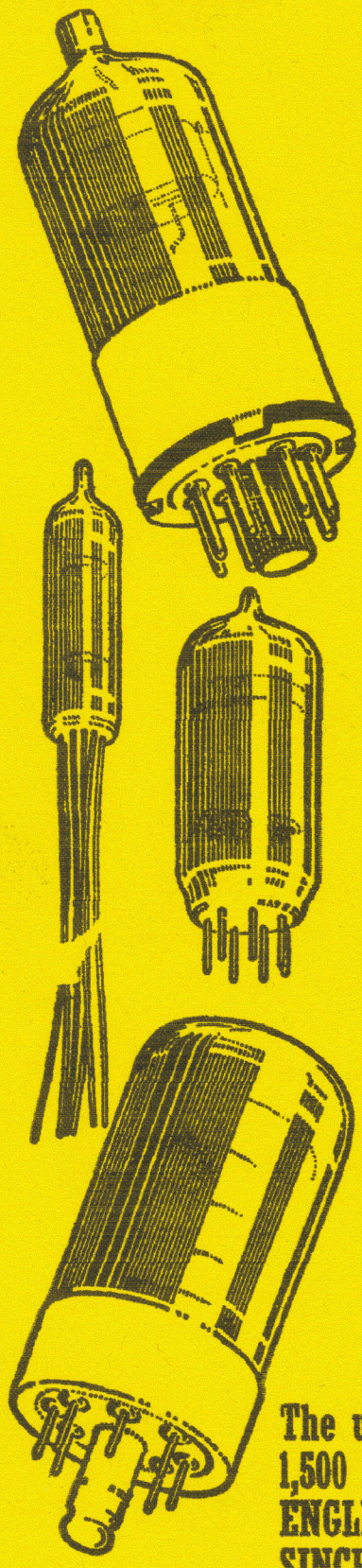
BOOK 2

# A Comprehensive

# VALVE GUIDE

BY

## B. B. BABANI



CHARACTERISTICS AND BASE CONNECTIONS ARE GIVEN FOR

All receiving vaives issued since 1951—including English, American and European: miniatures and sub-miniatures.

All the modern English and American television C.R. Tubes.

Voltage and current stabilisers, thyratrons, rectifiers, etc.

* * * * *

Complete diagrams of all the valve bases are shown—not simply the pin connections.

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# A Comprehensive
# RADIO VALVE GUIDE

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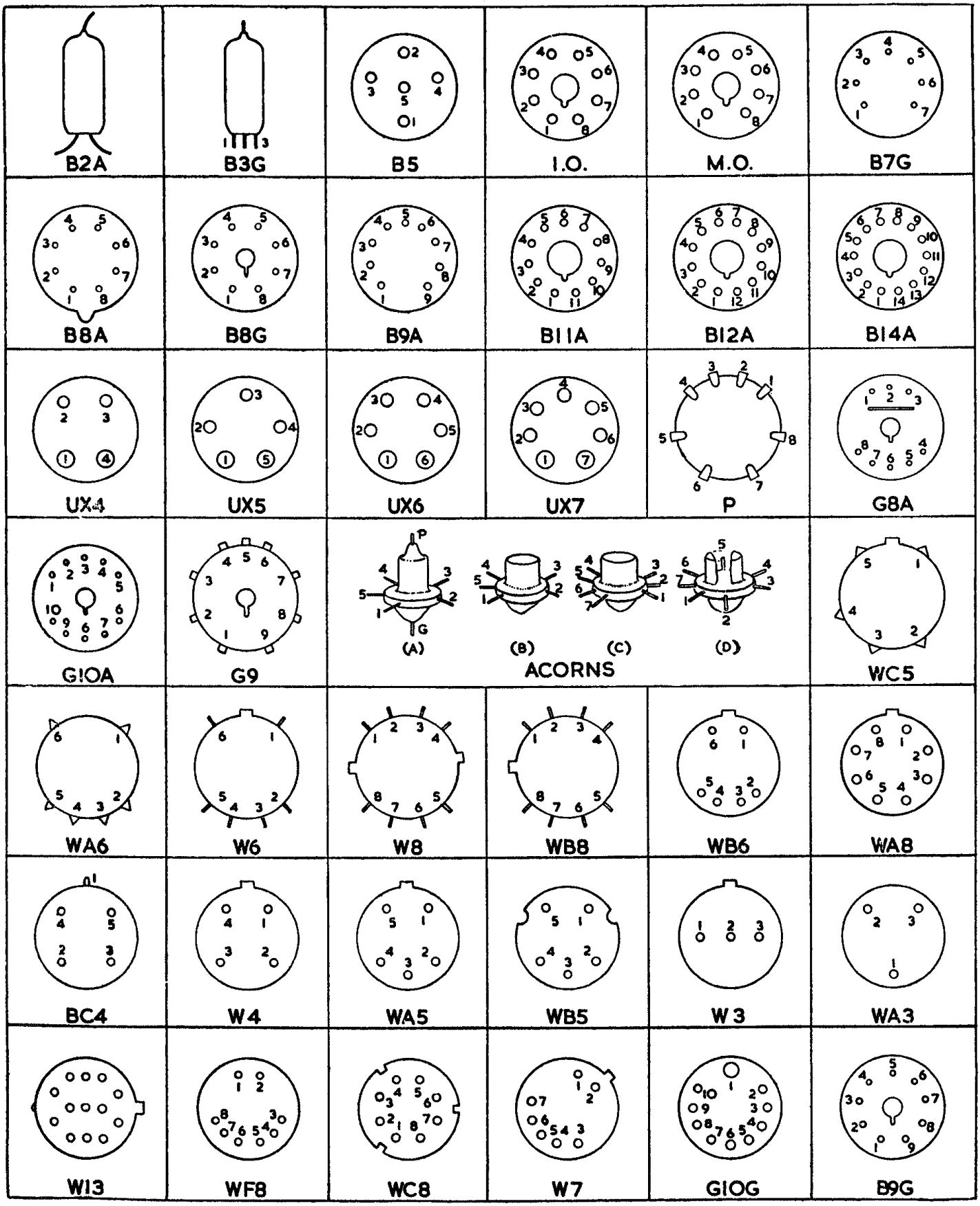
by

B. B. BABANI

LONDON: BERNARDS (Publishers) LIMITED

# VALVE BASE KEY



# INTRODUCTION

The information contained in the main tables refers to the electrical characteristics of the valves, together with a diagram of the electrode structure showing the base pin connections. All the requisite information concerning any particular valve is obtained without reference to any other page or table. The valves are listed in sections under headings according to their function, and they are grouped in each section in base order. All B7G types, for example, will be found in one group. For easy reference each base type is listed in numerical/alphabetical order.

For British valves the name of the manufacturer has been included in all cases and, as far as possible, abbreviations have been avoided. The exceptions are (a) duplicate valves made by Mullard and European Companies which are listed as Mul.-Eupn.; (b) valves of American design also made by English manufacturers which are listed as Am.-Brit. (American valves not duplicated in this country are listed as U.S.A.); (c) valves marketed by Marconi and Osram as M.O.V.; and (d) The English Electric Co. Ltd. as Eng.-Elec.

## THE INDEX

A general index is provided which contains every valve shown in the tables. This index is in numerical/alphabetical order and gives the type of base and the page number on which the characteristics will be found.

## VALVE BASES

As far as possible all the valves have been given their standard designations. American types interchangeable with English types have been given the English designation, e.g., the English B7G covers the American miniature 7-pin valves and the B9A the American Noval base. Types listed as B8G apply also to type B8B and to English and American Loctol and Lock-in bases. None of these is really identical; but the differences are so slight that all are interchangeable. As a matter of necessity many European bases have been given an arbitrary designation.

The drawing gives a representation of all the valves and C.R.T. bases with the exception of sub-miniature types, which are not true bases.

## FREQUENCY CONVERTERS

The characteristics given are typical operating conditions, such as an engineer will expect to find in the frequency changer stage of the average receiver, though it is pointed out that all designers do not adhere to the typical operating conditions specified by the manufacturer. As there are so many different forms of frequency changer available, each valve has its particular form given to its type number, e.g. (t/hex) which identifies the valve as a triode-hexode. Nonodes which are extensively used in Europe in F-M circuits are included in this section for convenience.

## TUNING INDICATORS

The information covers the normal operation of cathode ray tuning indicators. The figure in the grid volts column will serve as a guide to the sensitivity of the valve.

## SCREENED TETRODES AND PENTODES

These valves are normally used for RF amplification and the characteristics shown are the typical operating conditions for Class A recommended by the manufacturers. A number of valves listed, such as the EF44, find particular application in audio design as RC coupled amplifiers. It has not, however, been found possible to illustrate the valves under these conditions as so much depends on the circuit design. Valves with variable mu characteristics have this indicated by the abbreviation Var. $\mu$.

## REGULATOR VALVES

Current and voltage regulators, together with thyratrons, are given, the former, perhaps, being better known as barretters. In the " Used as " column will be found the letters CR, VR, or Relay, which identifies the valve as either a current or voltage regulator, or as a thyratron. The Stabilised Supply in "Amps " and " Voltage Drop " columns are used to give current regulator characteristics; the remainder is devoted to voltage regulators and thyratrons.

## RECTIFIERS

The ratings given are the maximum permissible. In many cases a minimum series resistance value has been quoted. When used with a transformer this resistance is usually provided by the resistance and leakage reactance of the transformer windings; but where DC/AC technique is used a resistor must be provided to limit the peak current. Booster or Recovery diodes, used in modern line scan television circuits are included in this section.

## TRIODE AMPLIFIERS

Characteristics are given for single and twin triodes, those for the latter being for a single section. The conditions shown are the typical operating conditions for transformer-coupled AF amplifiers in Class A. RC figures are not given since much is dependent upon circuit constants.

## DIODES

All the relevant information on diodes will be found in this section. Multiple valves containing diode elements are in the section dealing with the function of the main electrodes.

## TELEVISION C.R. TUBES

All modern television tubes are shown, which are entirely magnetic in operation, with the exception of certain types using electro-static focusing, and in some cases electro-static deflection.

Where possible, the focusing current in ampere-turns has been shown, which will be of help to engineers wishing to substitute one type of tube for another. Tubes are listed in numerical/alphabetical order. Aluminised, Aquadag coated and Ion Trap tubes, etc., are all identified by footnotes. The deflection angle has also been quoted where possible.

## OUTPUT VALVES

All types of output valves are included, with the exception of certain twin output valves (which have a section of their own). Valves intended for television time base or video amplification are so indicated. The conditions given relate to the typical operating conditions, and, for battery types, fixed bias is assumed. For mains-operated valves auto-bias is more usual, and whilst no cathode resistor value is quoted, it may be easily derived from the available data. It is pointed out that the output with auto-bias may be up to 10 per cent. less than with a fixed source.

## TWIN OUTPUT VALVES

This section is similar to the Push-Pull Data Section of Book 1, except that the valves are all of the twin type and operate mainly in Class B. The valves do not appear in any other section of the book; bases have been shown in the usual manner.

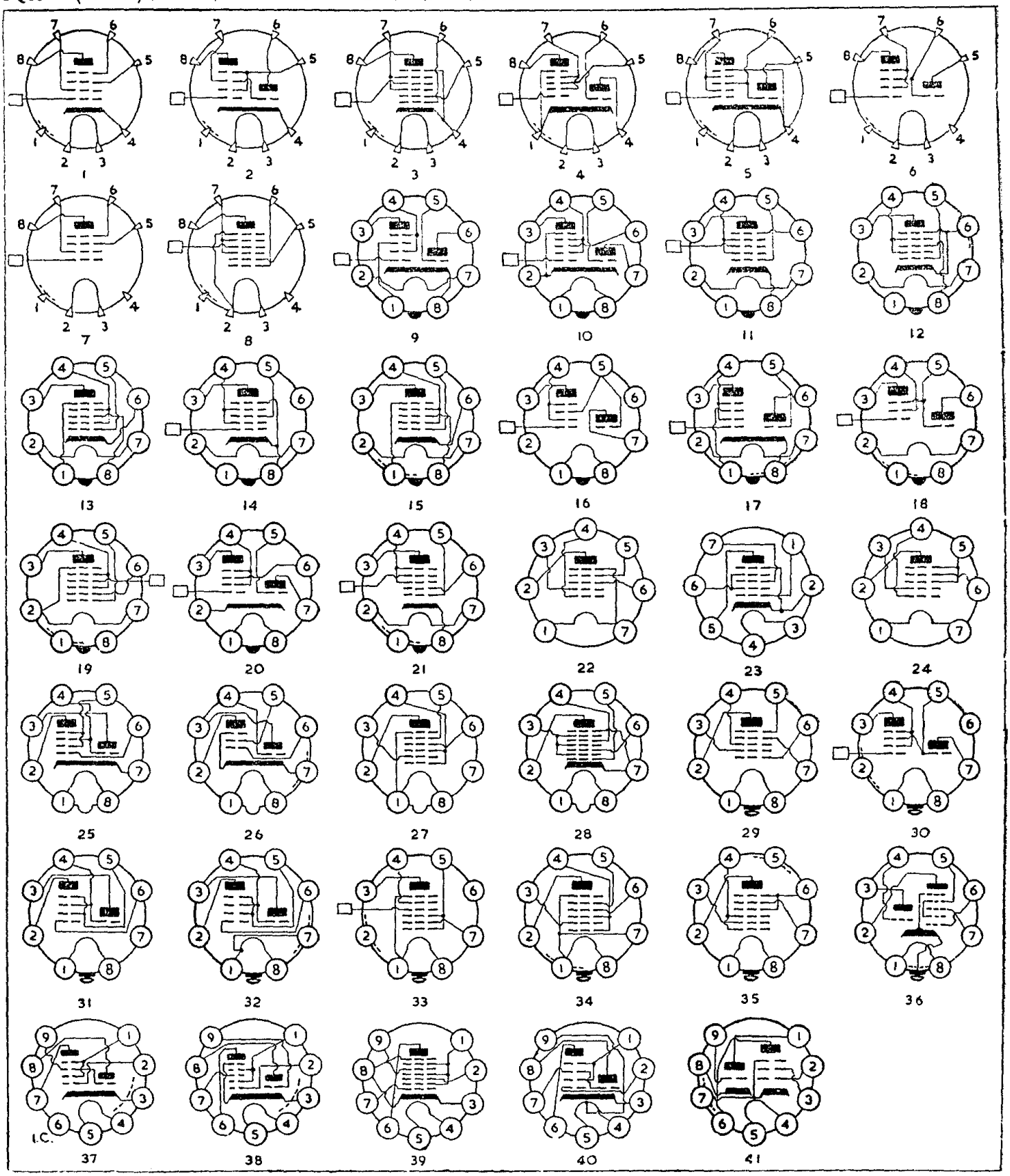
# ABBREVIATIONS USED IN THE TABLES

| | |
|---|---|
| **ACC** | Accelerator |
| **Am.-Brit.** | American and British |
| **CR** | Current-regulator |
| **d/tri** | Diode-triode |
| **Dia.** | Diameter |
| **Dis. %** | Distortion percentage |
| **Eng.-Elec.** | English Electric |
| **ES** | Electro-static |
| **E.Sw.** | Edison screw |
| **Focus A.T.** | Focus ampere-turns |
| **gc** | Conversion conductance |
| **gm** | Mutual conductance |
| **hep** | Heptode |
| **hex** | Hexode |
| **I/A** | Current in amperes |
| **IC** | Internal connection |
| **Ik** | Cathode current |
| **I/mA** | Current in milli-amperes |
| **IμA** | Current in micro-amperes |
| **K** | Cathode |
| **k** | Kilo-ohms |
| **mA/V** | Milli-amps per volt |
| **MG** | Magnetic |
| **MOD** | Modulator grid |
| **M.O.V.** | Marconi and Osram |
| **mW** | Milli-watts |
| **M** | Megohms |
| **Mul.-Eupn.** | Mullard and European |
| **oct** | Octode |
| **ra** | Anode AC resistance |
| **Relay** | Thyratron |
| **Rk** | Cathode resistor |
| **t/hep** | Triode-heptode |
| **t/hex** | Triode-hexode |
| **t/pen** | Triode-pentode |
| **t/tet** | Triode-tetrode |
| **Var. μ** | Variable mu |
| **Vk** | Volts as cathode |
| **VR** | Voltage-regulator |
| **W** | Watts |
| **Ω** | Ohms |
| * | Cathode resistor in ohms |

# FREQUENCY CHANGERS

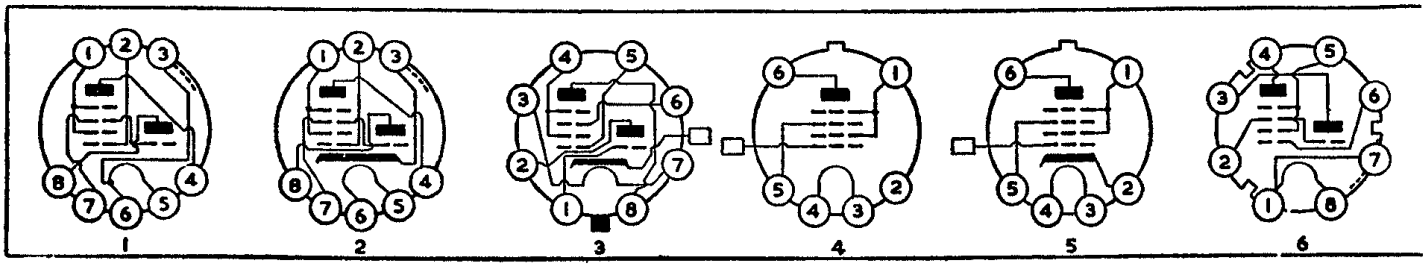
| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | OSC. ANODE | | Neg. Grid Volts | ra MΩ | gc mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | Volts | I/mA | | | | Type | Ref | |
| ACH1 | (t/hex) | 4·0 | 1·0 | 300 | 2·5 | 70 | 2·0 | 150 | 5·0 | 2·0 | 0·8 | 0·75 | P | 2 | European |
| AH1 | (hex) | 4·0 | 0·65 | 250 | 1·7 | 80 | 2·5 | — | — | 2·0 | 2·0 | 0·55 | | 1 | European |
| AK2 | (oct) | 4·0 | 0·65 | 250 | 1·6 | 70 | 3·8 | 90 | 2·0 | 1·5 | 1·6 | 0·6 | | 3 | European |
| CCH1 | (t/hex) | 20·0 | 0·2 | 200 | 2·0 | 50 | 3·2 | 200 | 2·5 | 2·0 | 0·9 | 0·75 | | 2 | European |
| CCH2 | (t/hep) | 29·0 | 0·2 | 200 | 3·25 | 100 | 6·0 | 100 | 9·5 | 2·5 | 1·5 | 0·75 | | 5 | European |
| CH1 | (hex) | 13·0 | 0·2 | 200 | 2·2 | 100 | 4·0 | — | — | 2·0 | 2·0 | 0·55 | | 1 | European |
| CK1 | (oct) | 13·0 | 0·2 | 200 | 1·6 | 90 | 2·0 | 70 | 3·8 | 1·5 | 1·5 | 0·60 | | 3 | European |
| CK3 | (oct) | 19·0 | 0·2 | 200 | 2·5 | 100 | 5·0 | 100 | 5·5 | 2·5 | 1·7 | 0·65 | | 3 | European |
| ECH4 | (t/hex) | 6·3 | 0·35 | 250 | 3·0 | 100 | 6·2 | 250 | 4·5 | 2·0 | 1·4 | 0·75 | | 4 | European |
| EH1 | (hep) | 6·3 | 0·4 | 250 | 3·0 | 80 | 1·1 | — | — | 2·0 | 1·8 | 2·0 | | 1 | European |
| EK1 | (oct) | 6·3 | 0·4 | 250 | 1·6 | 70 | 2·0 | 70 | 3·8 | 1·5 | 2·0 | 0·6 | | 3 | European |
| KCH1 | (t/hex) | 2·0 | 0·18 | 135 | 1·0 | 55 | 1·2 | 135 | 3·0 | 0·5 | 1·5 | 0·32 | | 6 | European |
| KH1 | (hex) | 2·0 | 0·13 | 135 | 1·0 | 60 | 1·1 | — | — | 1·5 | 1·1 | 0·45 | | 7 | European |
| KK2 | (oct) | 2·0 | 0·13 | 135 | 0·7 | 135 | 2·2 | 45 | 1·0 | 0·5 | 2·5 | 0·27 | | 8 | European |
| UCH5 | (t/hep) | 20·0 | 0·1 | 200 | 3·5 | 100 | 6·5 | 200 | 4·1 | 2·0 | 1·0 | 0·75 | | 4 | European |
| AH100 | (hex) | 4·0 | 1·1 | 200 | 5·5 | 100 | 5·0 | — | — | 2·5 | 0·25 | 0·43 | | 1 | European |
| 6EA7 | (hep) | 6·3 | 0·3 | 250 | 3·5 | 100 | 8·5 | — | — | 0 | 0·8 | 0·45 | I.O. | 11 | U.S.A. |
| 6TE8 | (t/hex) | 6·3 | 0·3 | 250 | 3·7 | 100 | 3·8 | 100 | 3·4 | 2·0 | 1·0 | 0·65 | | 9 | U.S.A. |
| 12EA7 | (hep) | 12·6 | 0·15 | 250 | 3·5 | 100 | 8·5 | — | — | 0 | 0·8 | 0·45 | | 11 | U.S.A. |
| 12SY7 | (hep) | 12·6 | 0·15 | 250 | 3·5 | 100 | 8·5 | — | — | 2·0 | 1·0 | 0·45 | | 13 | U.S.A. |
| 12SY7GT | (hep) | 12·6 | 0·15 | 28 | 0·5 | 28 | 1·8 | — | — | 1·0 | — | 0·25 | | 12 | U.S.A. |
| 12TE8 | (t/hex) | 12·6 | 0·15 | 250 | 3·7 | 100 | 3·8 | 100 | 3·4 | 2·0 | 1·0 | 0·65 | | 9 | U.S.A. |
| 1612 | (hep) | 6·3 | 0·3 | 250 | 3·3 | 150 | 9·2 | — | — | 6·0 | 1·0 | 0·35 | | 14 | U.S.A. |
| 5961 | (hep) | 6·3 | 0·3 | 250 | 3·5 | 100 | 8·5 | — | — | 2·0 | 1·0 | 0·45 | | 15 | U.S.A. |
| DCH1 | (t/hep) | 1·4 | 0·15 | 120 | 1·0 | 120 | 2·0 | — | — | — | — | 0·4 | | 16 | European |
| ECH4G | (t/hex) | 6·3 | 0·35 | 250 | 3·0 | 100 | 6·2 | 250 | 4·5 | 2·0 | 1·4 | 0·75 | | 17 | European |
| KCF30 | (t/pen) | 2·0 | 0·2 | 120 | 0·53 | 60 | 0·97 | 100 | — | 1·5 | 0·25 | 0·26 | | 18 | European |
| KK2G | (oct) | 2·0 | 0·13 | 135 | 0·7 | 135 | 2·2 | 45 | 1·0 | 0·5 | 2·5 | 0·27 | | 19 | European |
| OCH4 | (t/hep) | 15·0 | 0·15 | 200 | 3·5 | 100 | 6·0 | 100 | 3·5 | 2·0 | 1·4 | 0·75 | | 20 | European |
| OH4 | (hep) | 12·6 | 0·15 | 200 | 3·5 | 250 | 4·0 | 100 | 2·7 | 3·0 | 0·4 | 0·5 | | 21 | European |
| PH4 | (hep) | 6·3 | 0·3 | 200 | 3·5 | 250 | 4·0 | 100 | 2·7 | 3·0 | 0·4 | 0·5 | | 21 | European |
| UCH4 | (t/hep) | 20·0 | 0·1 | 200 | 3·5 | 100 | 6·5 | 118 | 4·1 | 2·0 | 1·0 | 0·75 | | 10 | European |
| 1AB6 | (hep) | 1·4 | 0·025 | 65 | 0·7 | 35 | 1·65 | — | — | 0 | 1·0 | 0·3 | B7G | 22 | U.S.A. |
| 1AC6 | (hep) | 1·4 | 0·05 | 85 | 0·65 | 30 | 1·65 | — | — | 0 | 1·0 | 0·325 | | 22 | U.S.A. |
| 1C2 | (hep) | 1·4 | 0·05 | 85 | 0·7 | 60 | 0·15 | — | — | 0 | 0·065 | 0·325 | | 22 | Mazda |
| 1L6 | (hep) | 1·4 | 0·05 | 90 | 0·5 | 45 | 0·6 | 90 | 1·2 | 0 | 0·65 | 0·3 | | 24 | U.S.A. |
| 1U6 | (hep) | 1·4 | 0·025 | 90 | 0·55 | 45 | 0·55 | 90 | 1·1 | 0 | 0·6 | 0·275 | | 24 | U.S.A. |
| 5750 | (hep) | 6·3 | 0·3 | 250 | 2·6 | 100 | 7·5 | 150 | 0·5 | 1·5 | 1·0 | 0·475 | | 23 | Am.-Brit. |
| DK92 | (hep) | 1·4 | 0·05 | 85 | 0·65 | 60 | 0·15 | 30 | 16·5 | 0 | 0·65 | 0·325 | | 22 | Mul.-Eupl |
| DK96 | (hep) | 1·4 | 0·025 | 65 | 0·7 | 35 | 1·65 | — | — | 0 | 1·0 | 0·3 | | 22 | Mul.-Eupl |
| EK90 | (hep) | 6·3 | 0·3 | 250 | 3·0 | 100 | 7·1 | — | — | 1·5 | 1·0 | 0·47 | | 23 | Mul.-Eupl |
| HK90 | (hep) | 12·6 | 0·15 | 250 | 3·0 | 100 | 7·1 | — | — | 1·5 | 1·0 | 0·47 | | 23 | European |
| HMO4 | (hep) | 6·3 | 0·3 | 250 | 3·0 | 100 | 7·1 | — | — | 1·5 | 1·0 | 0·47 | | 23 | European |
| X18 | (hep) | 1·4 | 0·05 | 85 | 0·65 | 60 | 0·15 | 30 | 16·5 | 0 | 0·65 | 0·325 | | 22 | M.O.V. |
| 6C10 | (t/hex) | 6·3 | 0·23 | 250 | 3·6 | 100 | 3·75 | 90 | 4·8 | 2·0 | 1·03 | 0·71 | B8A | 25 | Mazda |
| 6C11 | (t/pen) | 6·3 | 0·45 | 135 | 5·0 | 135 | 1·7 | 80 | 5·0 | 2·5 | — | 2·0 | | 26 | Mazda |
| 10C2 | (t/pen) | 28·0 | 0·1 | 135 | 5·0 | 135 | 1·7 | 80 | 5·0 | 2·5 | — | 2·0 | | 26 | Mazda |
| 62TH | (t/hex) | 6·3 | 0·3 | 250 | 3·0 | 85 | 3·0 | 100 | 4·8 | 2·0 | 1·0 | 0·75 | | 25 | Cossor |
| CF61 | (t/hex) | 6·3 | 0·225 | 250 | 3·0 | 105 | 2·2 | 100 | 4·9 | 2·0 | 2·0 | 0·5 | | 25 | Europear |
| CF141 | (t/hex) | 14·0 | 0·1 | 200 | 3·0 | 105 | 2·2 | 100 | 4·6 | 2·2 | 1·2 | 0·5 | | 25 | Europear |
| DK40 | (oct) | 1·4 | 0·05 | 67·5 | 1·0 | 67·5 | 0·25 | 67·5 | 2·6 | 0 | 0·9 | 0·42 | | 27 | Europear |
| ECH43 | (t/hex) | 6·3 | 0·225 | 250 | 3·0 | 85 | 3·0 | 100 | 4·8 | 2·0 | 1·0 | 0·75 | | 25 | Europear |
| EQ40 | (nonode) | 6·3 | 0·2 | 120 | 0·28 | 20 | 1·5 | — | — | — | 5·0 | — | | 28 | Europear |
| UCH43 | (t/hex) | 14·0 | 0·1 | 170 | 2·1 | 70 | 2·6 | 170 | 5·7 | 1·85 | 1·0 | 0·67 | | 25 | Europear |
| 1LB6 | (hep) | 1·4 | 0·05 | 90 | 0·4 | 67·5 | 2·2 | — | — | 0 | 2·0 | 0·1 | B8G | 29 | U.S.A. |
| DCH21 | (t/hex) | 1·25 | 0·15 | 120 | 0·9 | 60 | 1·9 | 120 | 1·7 | 0 | 1·0 | 0·45 | | 30 | Europear |
| DCH22 | (t/hex) | 1·25 | 0·1 | 90 | 0·75 | 50 | 1·1 | 60 | 1·4 | 0 | 1·0 | 0·28 | | 31 | Europear |
| DCH25 | (t/hex) | 1·2 | 0·1 | 120 | 1·0 | 60 | 1·0 | 115 | 0·1 | 0 | 1·3 | 0·28 | | 32 | Europea |
| DK21 | (oct) | 1·4 | 0·05 | 90 | 1·5 | 90 | 0·25 | 60 | 2·4 | 0 | 1·2 | 0·5 | | 33 | Europea |
| DK22 | (oct) | 1·4 | 0·05 | 90 | 1·0 | 60 | 2·0 | 90 | 0·2 | — | 1·0 | 0·5 | | 34 | Europea |
| DK25 | (oct) | 1·2 | 0·05 | 120 | 1·5 | 60 | 2·4 | 90 | — | 7·0 | 1·5 | 0·5 | | 35 | Europea |
| ECH71 | (t/hep) | 6·3 | 0·33 | 250 | 3·0 | 100 | 6·2 | 100 | 4·5 | 2·0 | 1·4 | 0·75 | | 36 | Europea |
| UCH71 | (t/hep) | 20·0 | 0·1 | 200 | 3·5 | 100 | 6·5 | 100 | 4·1 | 2·0 | 1·0 | 0·75 | | 36 | Europea |
| 6AE8 | (t/hex) | 6·3 | 0·3 | 250 | 4·5 | 75 | 3·4 | 100 | 4·5 | 0 | 0·7 | 0·78 | B9A | 37 | U.S.A. |
| 6AJ8 | (t/hep) | 6·3 | 0·3 | 250 | 3·25 | 103 | 6·7 | 100 | 4·5 | 2·0 | 1·0 | 0·775 | | 38 | U.S.A. |
| 6BE7 | (nonode) | 6·3 | 0·2 | 120 | 0·28 | 20 | 1·5 | — | — | — | 5·0 | — | | 39 | U.S.A. |
| 12AH8 | (t/hep) | 12·6 | 0·15 | | | | | | | | | | | | |
| | | 6·3 | 0·3 | 250 | 2·6 | 100 | 4·4 | 100 | 5·7 | 3·0 | 1·5 | 0·55 | | 40 | Brimar |
| ECH80 | (t/hex) | 6·3 | 0·23 | 250 | 3·0 | 85 | 3·0 | 82 | 5·1 | 2·0 | 1·0 | 0·75 | | 37 | Mul.-Eu |
| ECH81 | (t/hep) | 6·3 | 0·3 | 250 | 3·25 | 103 | 6·7 | 100 | 4·5 | 2·0 | 1·0 | 0·775 | | 38 | Mul.-Eu |

| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | OSC. ANODE | | Neg. Grid Volts | ra MΩ | gc mA/V | BASE | | Make |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| EQ80 (nonode) | 6·3 | 0·2 | 120 | 0·28 | 20 | 1·5 | — | — | — | 4·0 | — | B9A | 39 | Mul.-Eupn. |
| PCF80 (t/pen) | 8·5 | 0·3 | 170 | 6·5 | 170 | 2·0 | — | — | — | — | 2·3 | | 41 | Mul.-Eupn. |
| UCH81 (t/hep) | 19·0 | 0·1 | 250 | 3·25 | 103 | 6·7 | 100 | 4·5 | 2·0 | 1·0 | 0·775 | | 38 | Mul.-Eupn. |
| UQ80 (nonode) | 12·6 | 0·1 | 120 | 0·28 | 20 | 1·5 | — | — | — | 4·0 | — | | 39 | Mul.-Eupn. |

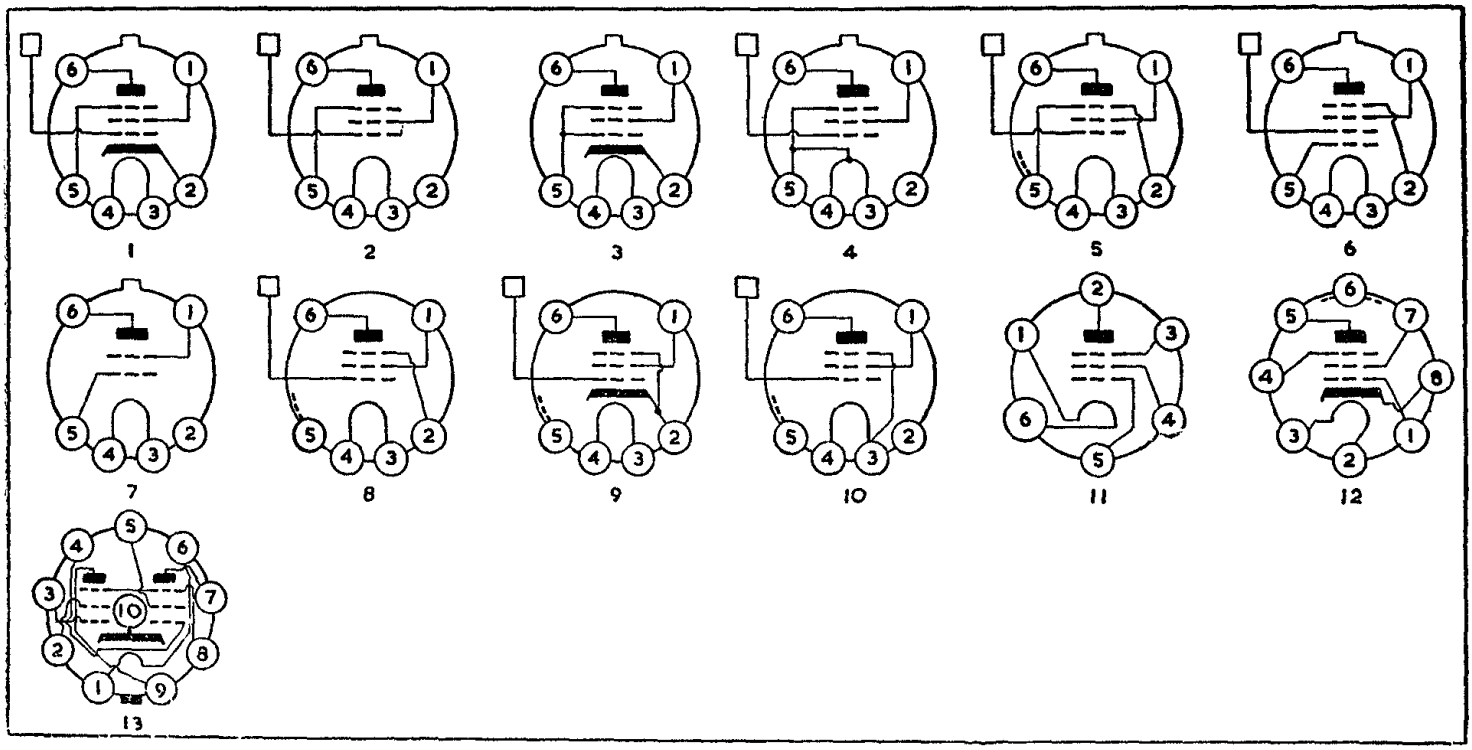


## FREQUENCY CHANGERS—*Contd.*

| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | OSC. ANODE | | Neg. Grid Volts | ra MΩ | gc mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| DCH11 | (t/hex) | 1·2 | 0·075 | 120 | 1·0 | 60 | 1·5 | 90 | 1·0 | 4·0 | 1·0 | 0·3 | G8A | 1 | European |
| ECH11 | (t/hex) | 6·3 | 0·2 | 250 | 2·3 | 100 | 3·0 | 250 | 3·4 | 2·0 | 0·8 | 0·65 | | 2 | European |
| UCH11 | (t/hex) | 20·0 | 0·1 | 200 | 2·0 | 80 | 3·0 | 115 | 2·8 | 2·0 | 1·0 | 0·68 | | 2 | European |
| VCH11 | (t/hex) | 38·0 | 0·05 | 200 | 2·0 | 80 | 3·0 | 200 | 2·85 | 2·0 | 1·0 | 0·68 | | 2 | European |
| RV2·4H300 | (hex) | 2·4 | 0·06 | 110 | 0·7 | 60 | 1·1 | — | — | 0·5 | 0·6 | 0·3 | W6 | 4 | European |
| RV12H300 | (hex) | 12·6 | 0·075 | 200 | 1·0 | 75 | 3·0 | — | — | 2·0 | 1·0 | 0·37 | | 5 | European |
| ECH171 | (t/hex) | 6·3 | 0·32 | 250 | 2·0 | 80 | 3·0 | 100 | 3·0 | 2·0 | 1·0 | 0·7 | G8G | 3 | European |
| UCH171 | (t/hex) | 20·0 | 0·1 | 200 | 2·0 | 80 | 3·0 | 80 | 3·0 | 2·0 | 1·0 | 0·7 | | 3 | European |
| DCH41W | (t/hex) | 1·2 | 0·1 | 120 | 1·0 | 60 | 1·5 | 120 | 1·7 | 0 | 1·0 | 0·3 | WC8 | 6 | European |



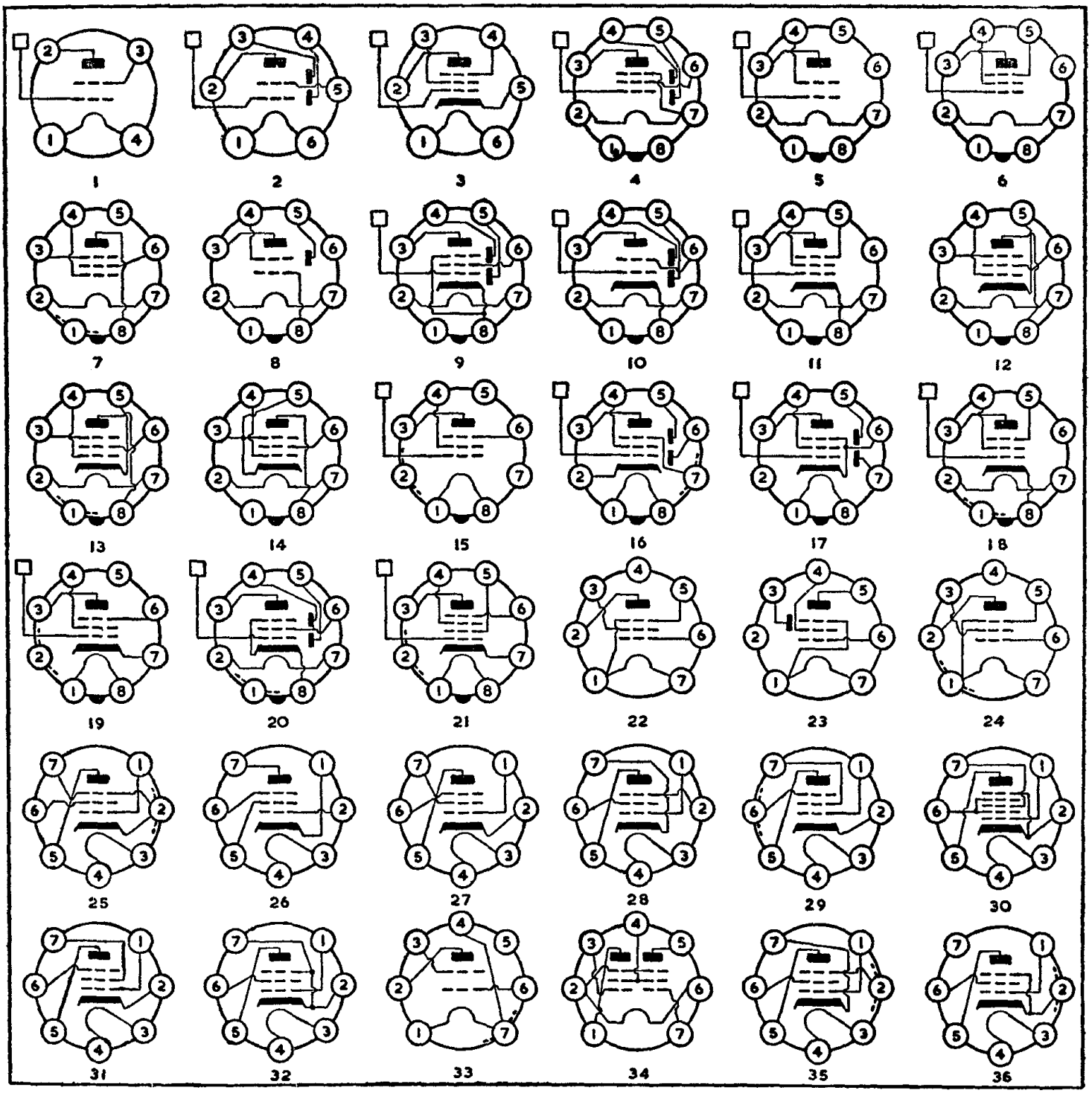
| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| LV5 | 12·6 | 0·2 | 20 | 7·0 | 20 | 17·0 | 5·2 | 3 | 3·3 | W6 | 3 | European |
| LV6 | 6·3 | 0·15 | 210 | 2·0 | 75 | 0·6 | 2·2 | 1000 | 1·5 | | 1 | European |
| MF6 | 1·9 | 0·1 | 150 | 2·0 | 75 | 0·55 | 1·5 | 1200 | 1·0 | | 2 | European |
| RL1P1 | 1·2 | 0·32 | 130 | 11·5 | 130 | 2·5 | 6·0 | 70 | 2·2 | | 4 | European |
| RL2·4P2 | 2·4 | 0·17 | 130 | 11·5 | 130 | 2·5 | 6·0 | 70 | 2·2 | | 2 | European |
| RL2·4P3 | 2·4 | 0·13 | 130 | 10·0 | 130 | 3·0 | 9·5 | — | 1·4 | | 5 | European |
| RL12P2 | 12·6 | 0·13 | 130 | 15·0 | 130 | 3·0 | 6·0 | 70 | 2·5 | | 1 | European |
| RV2P700 | 1·9 | 0·05 | 150 | 2·0 | 75 | 0·55 | 1·5 | 1200 | 1·0 | | 2 | European |
| RV2·4P45 | 2·4 | 0·06 | 20 | 1·6 | 15 | 0·4 | 1·5 | 500 | 1·0 | | 6 | European |
| RV2·4P700 | 2·4 | 0·06 | 150 | 1·7 | 75 | 0·35 | 1·5 | 60 | 0·75 | | 2 | European |
| RV2·4P701 | 2·4 | 0·06 | 150 | 2·7 | 75 | 0·5 | 1·5 | 1000 | 1·0 | | 2 | European |
| RV2·4P710 | 2·4 | 0·13 | 130 | 2·0 | 75 | 0·33 | 1·4 | — | 1·0 | | 1 | European |
| RV2·4P711 | 2·4 | 0·735 | 130 | 2·0 | 75 | 0·4 | 1·6 | — | 1·0 | | 1 | European |
| RV2·4T3 | 2·4 | 0·06 | 20 | 1·7 | 15 | 2·3 | 2·0 | 6 | 0·7 | | 7 | European |
| RV12P2000 | 12·6 | 0·075 | 210 | 2·0 | 75 | 0·6 | 2·3 | 1000 | 1·5 | | 1 | European |
| RV12P2001 | 12·6 | 0·075 | 210 | 3·0 | 75 | 0·55 | 2·3 | 700 | 1·4 | | 1 | European |
| MF2 | 1·9 | 0·18 | 120 | 2·5 | 80 | 0·5 | 1·5 | 1000 | 1·2 | WA6 | 8 | European |
| NF4 | 12·6 | 0·2 | 200 | 3·0 | 100 | 1·0 | 2·0 | 1800 | 2·2 | | 9 | European |
| RL2P3 | 1·9 | 0·29 | 130 | 10·0 | 130 | 2·3 | 19·0 | 75 | 1·0 | | 8 | European |
| RV2P800 | 1·9 | 0·18 | 120 | 3·5 | 80 | 0·8 | 1·5 | 500 | 1·0 | | 10 | European |
| RV12P4000 | 12·6 | 0·2 | 200 | 3·0 | 100 | 1·1 | 2·1 | 1000 | 2·3 | | 9 | European |
| LS1 | 1·9 | 0·05 | 90 | 5·0 | 90 | 0·9 | 3·0 | — | 1·2 | WD6 | 11 | European |
| LV1 | 12·6 | 0·2 | 250 | 20·0 | 200 | 2·5 | 2·5 | — | 10·5 | WD8 | 12 | European |
| LV4 | 12·6 | 0·3 | 250 | 20·0 | 200 | 3·0 | 2·0 | — | 7·0 | W10 | 13 | European |



## SCREENED TETRODES and PENTODES—*Contd.*

| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| 1K5 | | 2·0 | 0·12 | 135 | 2·5 | 67·5 | 0·93 | 0 | 1000 | 1·05 | I.O. | 5 | U.S.A. |
| 1K7 | | 2·0 | 0·12 | 135 | 1·5 | 135 | 0·5 | 4·5 | 1400 | 0·7 | | 4 | U.S.A. |
| 1M5 | Var. μ | 2·0 | 0·12 | 135 | 1·5 | 90 | 0·5 | 3·0 | 1850 | 0·7 | | 5 | U.S.A. |
| 1R | | 1·4 | 0·05 | 90 | 1·2 | 90 | 0·3 | 0 | 1500 | 0·75 | | 6 | European |
| 1SA6 | | 1·4 | 0·05 | 90 | 2·45 | 67·5 | 0·68 | 0 | 800 | 0·97 | | 7 | U.S.A. |
| 1SB6 | | 1·4 | 0·05 | 90 | 1·45 | 67·5 | 0·38 | 0 | 900 | 0·5 | | 8 | U.S.A. |
| 6BN3 | | 6·3 | 0·3 | 250 | 8·5 | 100 | 1·9 | 3·0 | 610 | 1·15 | | 9 | European |
| 6G8 | | 6·3 | 0·3 | 250 | 6·5 | 100 | 1·5 | 3·0 | 850 | 1·1 | | 10 | U.S.A. |
| 6NK7 | Var. μ | 6·3 | 0·3 | 250 | 5·0 | 100 | 1·65 | 2·0 | 1000 | 2·3 | | 11 | European |
| 6R | | 6·3 | 0·15 | 250 | 3·7 | 100 | 0·95 | 2·0 | 2200 | 2·0 | | 11 | European |
| 6RV | | 6·3 | 0·15 | 250 | 6·4 | 100 | 1·9 | 2·0 | 1400 | 2·1 | | 11 | European |
| 12NK7 | Var. μ | 12·6 | 0·15 | 250 | 5·0 | 100 | 1·65 | 2·0 | 1000 | 2·3 | | 11 | European |
| 1223 | | 6·3 | 0·3 | 250 | 2·0 | 100 | 0·5 | 3·0 | 1000 | 1·2 | | 11 | U.S.A. |
| 1620 | | 6·3 | 0·3 | 250 | 2·0 | 100 | 0·5 | 3·0 | 1000 | 1·225 | | 11 | U.S.A. |
| 1649 | | 6·3 | 0·45 | 300 | 10·0 | 150 | 2·5 | 2·0 | 1000 | 9·0 | | 12 | U.S.A. |
| 1664 | | 12·6 | 0·15 | 90 | 9·0 | 125 | 2·3 | 3·0 | 650 | 1·1 | | 9 | U.S.A. |
| 5660 | | 12·6 | 0·15 | 250 | 10·0 | 125 | 2·3 | 3·0 | 600 | 1·3 | | 9 | U.S.A. |
| 5661 | | 12·6 | 0·15 | 250 | 9·2 | 100 | 2·6 | 3·0 | 800 | 2·0 | | 12 | U.S.A. |
| 5693 | | 6·3 | 0·3 | 250 | 3·0 | 100 | 0·85 | 3·0 | 1000 | 1·65 | | 13 | U.S.A. |
| 5732 | | 6·3 | 0·3 | 250 | 10·5 | 125 | 2·6 | 3·0 | 600 | 1·65 | | 11 | U.S.A. |
| 6006 | | 6·3 | 0·3 | 250 | 11·8 | 125 | 4·4 | 14·0 | 900 | 4·7 | | 14 | U.S.A. |
| 6137 | Var. μ | 6·3 | 0·3 | 250 | 9·2 | 100 | 2·6 | 3·0 | 800 | 2·0 | | 13 | U.S.A. |
| 7000 | | 6·3 | 0·3 | 250 | 2·0 | 100 | 0·5 | 3·0 | 1500 | 1·225 | | 11 | U.S.A. |
| DF21 | | 1·4 | 0·025 | 90 | 1·2 | 90 | 0·25 | 0 | 2000 | 0·7 | | 15 | European |
| DF22 | Var. μ | 1·4 | 0·05 | 90 | 1·4 | 90 | 0·3 | 1·5 | 1500 | 1·1 | | 15 | European |
| EBF35 | | 6·3 | 0·2 | 250 | 5·0 | 100 | 2·0 | 2·0 | 1500 | 1·8 | | 16 | European |
| OBF2 | | 8·5 | 0·15 | 200 | 6·0 | 100 | 1·5 | 2·0 | 1000 | 1·75 | | 17 | European |
| OF1 | | 6·3 | 0·15 | 240 | 8·0 | 100 | 2·2 | 2·5 | 1000 | 1·75 | | 18 | European |
| OF5 | | 12·6 | 0·15 | 240 | 7·0 | 100 | 1·6 | 3·0 | 750 | 1·55 | | 18 | European |
| OF9 | | 8·5 | 0·15 | 225 | 6·5 | 100 | 1·2 | 3·0 | 850 | 2·0 | | 19 | European |
| PBF2 | | 6·3 | 0·3 | 250 | 5·8 | 100 | 1·6 | 3·0 | 650 | 1·2 | | 20 | European |
| PF9 | | 6·3 | 0·3 | 250 | 7·5 | 100 | 1·6 | 3·5 | 650 | 1·65 | | 18 | European |
| UBF2 | | 12·6 | 0·1 | 200 | 5·2 | 100 | 1·7 | 2·0 | 1000 | 1·85 | | 17 | European |
| UF8 | | 12·6 | 0·1 | 200 | 8·0 | 200 | 0·2 | 2·5 | 450 | 1·8 | | 21 | European |
| UF9 | Var. μ | 12·6 | 0·1 | 200 | 6·0 | 100 | 1·7 | 2·5 | 1200 | 2·2 | | 19 | European |
| 1AE4 | | 1·25 | 0·1 | 90 | 3·5 | 90 | 1·2 | 0 | 500 | 1·55 | B7G | 22 | U.S.A. |
| 1AF4 | | 1·4 | 0·025 | 90 | 1·8 | 90 | 0·55 | 0 | 1800 | 1·05 | | 22 | U.S.A. |
| 1AF5 | | 1·4 | 0·025 | 90 | 1·1 | 90 | 0·4 | 0 | 2000 | 0·6 | | 23 | U.S.A. |
| 1AH5 | | 1·4 | 0·025 | 90 | 1·1 | 90 | 0·4 | 0 | 1600 | 0·4 | | 23 | U.S.A. |
| 1AJ4 | | 1·4 | 0·025 | 90 | 1·65 | 90 | 0·5 | 0 | 1400 | 0·85 | | 24 | U.S.A. |
| 6BC5 | | 6·3 | 0·3 | 250 | 7·5 | 150 | 2·1 | 1·75 | 800 | 5·7 | | 25 | U.S.A. |
| 6BN6 | | 6·3 | 0·3 | 80 | 0·23 | 60 | 4·5 | 1·3 | Gated Beam | | | 26 | U.S.A. |
| 6CB6 | | 6·3 | 0·3 | 200 | 9·5 | 150 | 2·8 | 2·0 | 600 | 6·2 | | 27 | U.S.A |
| 6CG6 | Var. μ | 6·3 | 0·3 | 250 | 9·0 | 150 | 2·3 | 8·0 | 720 | 2·0 | | 28 | U.S.A. |
| 6CQ6 | Var. μ | 6·3 | 0·2 | 250 | 8·0 | 200 | 2·1 | 2·5 | — | 2·1 | | 29 | U.S.A. |
| 12BN6 | | 12·6 | 0·15 | 80 | 0·23 | 60 | 4·5 | 1·3 | Gated Beam | | | 26 | U.S.A. |
| 26CG6 | | 26·5 | 0·07 | 250 | 9·0 | 150 | 2·3 | 8·0 | 720 | 2·0 | | 28 | U.S.A. |
| 5654 | | 6·3 | 0·175 | 120 | 7·5 | 120 | 2·5 | 2·0 | 340 | 5·0 | | 25 | U.S.A. |
| 5725 | | 6·3 | 0·175 | 120 | 5·2 | 120 | 3·5 | 2·0 | — | 3·2 | | 27 | U.S.A. |
| 5749 | Var. μ | 6·3 | 0·3 | 250 | 11·0 | 100 | 4·2 | 1·0 | 1500 | 4·4 | | 28 | Am.-Brit |
| 5910 | | 1·4 | 0·05 | 90 | 1·6 | 90 | 0·45 | 0 | 1500 | 0·9 | | 22 | U.S.A. |
| 5915 | | 6·3 | 0·3 | 150 | 5·8 | 71 | 9·0 | 0 | Gated Beam | | | 30 | U.S.A. |
| 6028 | | 20·0 | 0·05 | 120 | 7·5 | 120 | — | 2·0 | 300 | 5·0 | | 25 | U.S.A. |
| 6064 | | 6·3 | 0·3 | 250 | 10·0 | 250 | 2·5 | 2·0 | 1000 | 7·6 | | 31 | Am.-Brit |
| 6065 | Var. μ | 6·3 | 0·2 | 250 | 8·0 | 200 | 2·1 | 2·5 | — | 2·1 | | 31 | Brimar |
| 6136 | | 6·3 | 0·3 | 250 | 10·6 | 150 | 4·3 | 1·0 | 1000 | 5·2 | | 28 | U.S.A. |
| 6186 | | 6·3 | 0·3 | 250 | 7·0 | 150 | 2·0 | 2·0 | 800 | 5·0 | | 32 | U.S.A. |
| 6187 | | 6·3 | 0·15 | 120 | 5·2 | 120 | 3·5 | 2·0 | — | 3·2 | | 27 | U.S.A. |
| 9001 | | 6·3 | 0·15 | 250 | 2·0 | 100 | 0·7 | 3·0 | 1000 | 1·4 | | 25 | U.S.A. |
| DAF96 | | 1·4 | 0·025 | 90 | 1·1 | 90 | 0·4 | 0 | 1600 | 0·4 | | 23 | Mul.-Eupn. |
| DF96 | | 1·4 | 0·025 | 90 | 1·65 | 90 | 0·5 | 0 | 1400 | 0·85 | | 24 | Mul.-Eupn. |
| DF904 | | 1·4 | 0·05 | 90 | 1·6 | 90 | 0·45 | 0 | 1500 | 0·9 | | 22 | European |
| DF906 | | 1·4 | 0·1 | 45 | 3·0 | 45 | 1·0 | 0 | 80 | 1·7 | | 33 | European |
| DFF101 | | 1·4 | 0·025 | 45 | 1·1 | 45 | 0·5 | — | 444 | 0·22 | | 34 | European |
| EF93 | Var. μ | 6·3 | 0·3 | 250 | 11·0 | 100 | 4·2 | 1·0 | 1500 | 4·4 | | 35 | Mul.-Eupn. |
| EF94 | | 6·3 | 0·3 | 250 | 10·8 | 150 | 4·3 | 1·0 | 1000 | 5·2 | | 28 | Mul.-Eupn. |
| EF95 | | 6·3 | 0·175 | 150 | 7·0 | 140 | 2·2 | 3·0 | 420 | 4·3 | | 36 | Mul.-Eupn. |
| HF93 | Var. μ | 12·6 | 0·15 | 250 | 11·0 | 100 | 4·2 | 1·0 | 1500 | 4·4 | | 28 | European |
| HF94 | | 12·6 | 0·15 | 250 | 10·8 | 150 | 4·3 | 1·0 | 1000 | 5·2 | | 28 | European |
| PMO4 | Var. μ | 6·3 | 0·3 | 250 | 11·0 | 100 | 4·2 | — | 1500 | 4·4 | | 28 | European |
| PMO5 | | 6·3 | 0·175 | 150 | 7·0 | 140 | 2·2 | 3·0 | 420 | 4·3 | | 36 | European |
| PMO7 | | 6·3 | 0·3 | 250 | 10·0 | 250 | 2·5 | 2·0 | 1000 | 7·6 | | 29 | European |

| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| QA2400 | Var. μ | 6·3 | 0·2 | 200 | 8·0 | 200 | 2·1 | 2·5 | 500 | 2·5 | B7G | 29 | Osram |
| QA2403 | | 6·3 | 0·3 | 250 | 10·0 | 250 | 2·5 | 2·0 | 300 | 7·6 | | 29 | Osram |
| 1C4 | | 2·0 | 0·12 | 135 | 1·5 | 90 | 0·5 | 3·0 | 1850 | 0·7 | UX4 | 1 | U.S.A. |
| 1K4 | | 2·0 | 0·12 | 135 | 2·5 | 67·5 | 0·93 | 0 | 1000 | 1·05 | | 1 | U.S.A. |
| 22 | | 3·3 | 0·132 | 135 | 3·7 | 67·5 | 1·3 | 1·5 | 325 | 0·5 | | 1 | U.S.A. |
| 34 | Var. μ | 2·0 | 0·06 | 180 | 2·8 | 67·5 | 1·0 | 3·0 | 1000 | 0·62 | | 1 | U.S.A. |
| 1K6 | | 2·0 | 0·12 | 135 | 1·5 | 135 | 0·5 | 4·5 | 1400 | 0·7 | UX6 | 2 | U.S.A. |
| 1221 | | 6·3 | 0·3 | 250 | 2·0 | 100 | 0·5 | 3·0 | 1000 | 1·2 | | 3 | U.S.A. |
| 1603 | | 6·3 | 0·3 | 250 | 2·0 | 100 | 0·5 | 3·0 | 1000 | 1·23 | | 3 | U.S.A. |
| 7700 | | 6·3 | 0·3 | 250 | 2·0 | 100 | 0·5 | 3·0 | 1500 | 1·23 | | 3 | U.S.A. |

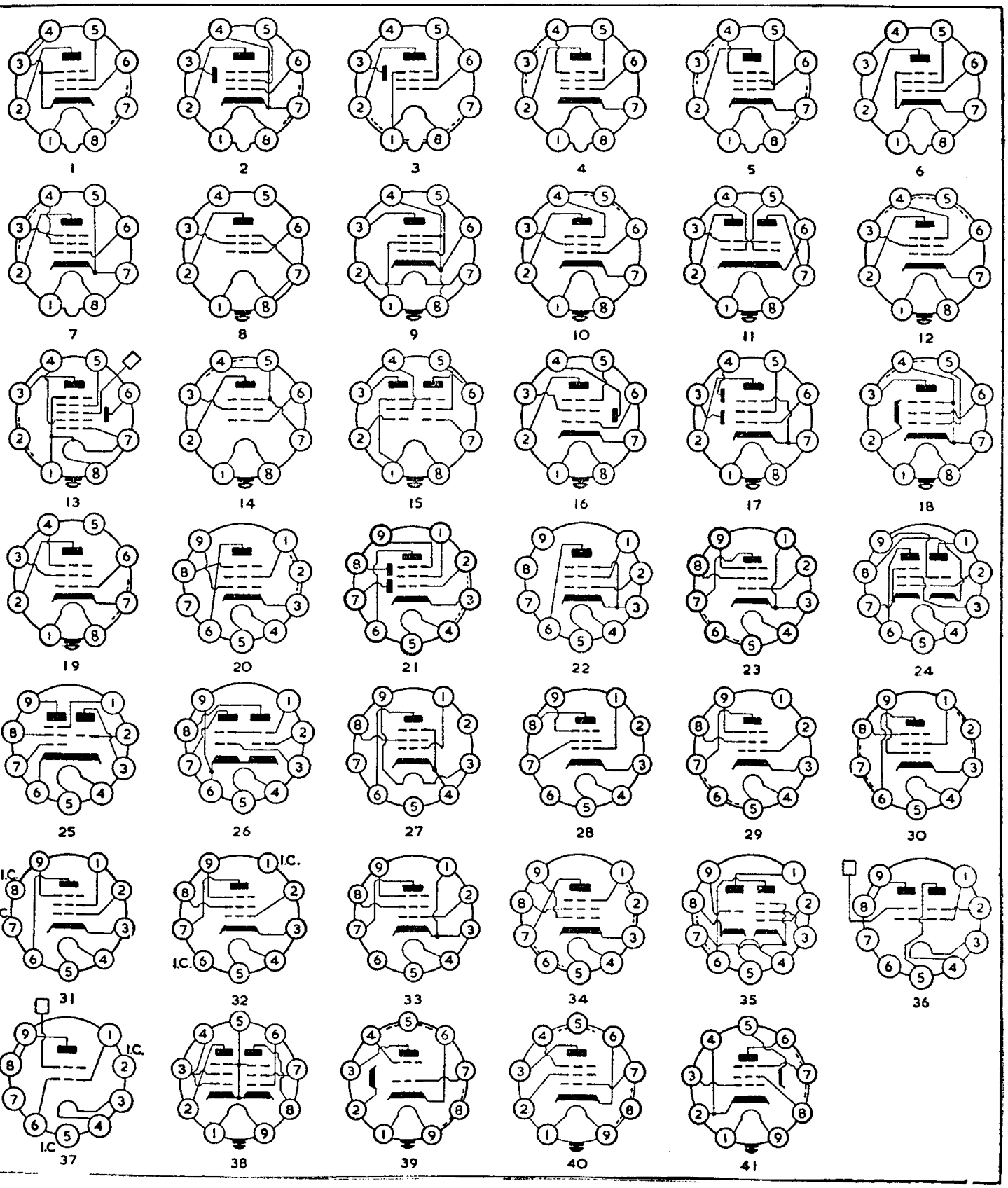


## SCREENED TETRODES and PENTODES—*Contd.*

| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| 6F16 | Var. μ | 6·3 | 0·2 | 250 | 6·0 | 125 | 1·7 | 2·5 | 1000 | 2·4 | B8A | 1 | Mazda |
| 62VP | Var. μ | 6·3 | 0·2 | 250 | 6·0 | 125 | 1·7 | 2·5 | 1000 | 2·4 | | 1 | Cossor |
| D61 | Var. μ | 6·3 | 0·2 | 250 | 5·0 | 125 | 1·6 | 2·0 | 1200 | 1·8 | | 2 | European |
| DAF40 | | 1·4 | 0·025 | 67·5 | 0·85 | 67·5 | 0·2 | 0 | 2600 | 0·7 | | 3 | European |
| DAF41 | | 1·4 | 0·025 | 67·5 | 0·17 | 67·5 | 0·04 | 0 | 1000 | — | | 3 | European |
| EF43 | Var. μ | 6·3 | 0·33 | 250 | 15·0 | 133 | 3·5 | 2·0 | 500 | 6·4 | | 4 | European |
| EF44 | | 6·3 | 0·2 | 250 | 3·0 | 140 | 0·55 | 2·0 | 2500 | 1·8 | | 5 | European |
| | | low noise version of EF40 | | | | | | | | | | | |
| EF410 | | 6·3 | 0·2 | 250 | 6·0 | 100 | 1·7 | 2·5 | 1000 | 2·2 | | 6 | European |
| HF61 | Var. μ | 6·3 | 0·2 | 250 | 6·0 | 125 | 1·7 | 2·5 | 1000 | 2·4 | | 1 | European |
| HF62 | | 6·3 | 0·33 | 250 | 10·0 | 250 | 2·3 | 2·0 | 440 | 9·5 | | 4 | European |
| HF121 | Var. μ | 12·6 | 0·1 | 200 | 7·2 | 150 | 2·1 | 3·0 | 1000 | 2·3 | | 1 | European |
| UF40 | | 12·6 | 0·1 | 200 | 3·0 | 150 | 0·9 | 2·0 | 3000 | 1·8 | | 5 | European |
| UF43 | Var. μ | 21·0 | 0·1 | 170 | 15·0 | 135 | 3·5 | 2·0 | 300 | 6·3 | | 4 | European |
| W142 | Var. μ | 12·6 | 0·1 | 200 | 7·2 | 150 | 2·1 | 3·0 | 1000 | 2·3 | | 1 | M.O.V. |
| Z145 | | 22·0 | 0·1 | 200 | 10·0 | 200 | 2·6 | 1·8 | 900 | 9·0 | | 7 | M.O.V. |
| 1AB5 | | 1·2 | 0·13 | 150 | 6·8 | 150 | 2·0 | 1·5 | 120 | 1·35 | B8G | 8 | U.S.A. |
| 7AB7 | | 6·3 | 0·15 | 250 | 4·0 | 100 | 1·3 | 2·0 | 500 | 1·8 | | 9 | U.S.A. |
| 7AJ7 | | 6·3 | 0·3 | 250 | 2·2 | 100 | 0·7 | 3·0 | 1000 | 1·575 | | 10 | U.S.A. |
| 1204 | | 6·3 | 0·15 | 250 | 4·0 | 100 | 1·3 | 2·0 | 500 | 1·8 | | 9 | U.S.A. |
| 1206 | | 6·3 | 0·3 | 250 | 4·5 | 100 | 0·8 | 2·5 | 225 | 2·1 | | 11 | U.S.A. |
| 1232 | | 6·3 | 0·45 | 250 | 6·0 | 100 | 2·0 | 2·0 | 800 | 4·5 | | 10 | U.S.A. |
| 1280 | | 12·6 | 0·15 | 250 | 2·2 | 100 | 0·7 | 3·0 | 1000 | 1·575 | | 10 | U.S.A. |
| 1284 | | 12·6 | 0·15 | 250 | 9·0 | 100 | 2·5 | 3·0 | 800 | 2·0 | | 10 | U.S.A. |
| 18040 | | 18·0 | 0·27 | 210 | 20·0 | 210 | 5·3 | 3·0 | 250 | 11·0 | | 12 | European |
| DAH50 | | 2·8 | 0·025 | | | | | | | | | | |
| | | 1·4 | 0·05 | 15 | 0·8 | 15 | 1·5 | 0 | 100 | 0·65 | | 13 | European |
| DF23 | Var. μ | 1·25 | 0·025 | 90 | 0·65 | 50 | 0·15 | 5·0 | 2500 | 0·58 | | 14 | European |
| DF25 | | 1·2 | 0·025 | 90 | 0·65 | 50 | 0·15 | 5·0 | 2500 | 0·58 | | 14 | European |
| DF26 | | 1·2 | 0·05 | 120 | 1·2 | 90 | 0·3 | 1·1 | 1400 | 0·75 | | 14 | European |
| DFF50 | | 1·4 | 0·1 | 25 | 2·25 | 25 | 0·5 | 1·1 | 32·5 | 1·2 | | 15 | European |
| DFF51 | | 1·4 | 0·05 | 25 | 2·1 | 25 | 0·4 | 0 | 55 | 0·7 | | 15 | European |
| EAF21 | | 6·3 | 0·3 | 250 | 6·0 | 100 | 1·6 | 2·0 | 1500 | 2·8 | | 16 | European |
| EBF21 | | 6·3 | 0·33 | 250 | 7·5 | 100 | 2·0 | 3·0 | 2000 | 2·2 | | 17 | European |
| EFP20 | | 6·3 | 0·45 | 250 | 5·0 | 250 | 0·22 | 2·0 | 500 | 12·0 | | 18 | European |
| UAF21 | | 20·0 | 0·1 | 200 | 6·0 | 100 | 1·6 | 2·0 | 1500 | 2·8 | | 16 | European |
| UF21 | | 12·6 | 0·1 | 200 | 6·0 | 100 | 1·7 | 2·5 | 900 | 2·2 | | 19 | European |
| 6AD8 | | 6·3 | 0·3 | 250 | 6·7 | 85 | 2·3 | 2·0 | 1000 | 1·1 | B9A | 21 | U.S.A. |
| 6BH5 | Var. μ | 6·3 | 0·2 | 250 | 6·0 | 125 | 1·7 | 2·5 | 1000 | 2·2 | | 22 | U.S.A. |
| 6BW7 | | 6·3 | 0·3 | 250 | 9·7 | 250 | 3·7 | 2·5 | 750 | 8·2 | | 23 | U.S.A. |
| 6BY7 | Var. μ | 6·3 | 0·3 | 250 | 10·0 | 100 | 2·5 | 2·0 | 500 | 6·0 | | 23 | U.S.A. |
| 6U8 | | 6·3 | 0·45 | 250 | 10·0 | 110 | 3·5 | 1·0 | 400 | 5·2 | | 26 | U.S.A. |
| 6X8 | | 6·3 | 0·45 | 150 | 4·6 | 150 | 1·1 | 3·5 | — | 1·6 | | 25 | U.S.A. |
| 19X8 | | 18·9 | 0·15 | 250 | 7·7 | 150 | 1·6 | 2·0 | 750 | 4·6 | | 25 | U.S.A. |
| 64SPT | | 6·3 | 0·3 | 170 | 10·0 | 170 | 2·5 | 2·0 | 400 | 7·4 | | 23 | Cossor |
| 5656 | | 6·3 | 0·4 | 150 | 15·0 | 120 | 2·7 | 2·0 | 60 | 5·8 | | 26 | U.S.A. |
| 5847 | | 6·3 | 0·3 | 150 | 13·0 | 150 | 4·5 | 1·8 | — | 12·5 | | 27 | U.S.A. |
| 5879 | | 6·3 | 0·15 | 250 | 1·8 | 100 | 0·4 | 3·0 | 2000 | 1·0 | | 28 | U.S.A. |
| 6059 | | 6·3 | 0·15 | 250 | 2·0 | 100 | 0·5 | 3·0 | 2300 | 1·25 | | 29 | Am.-Brit. |
| 6084 | | 6·3 | 0·3 | 210 | 10·0 | 120 | 2·2 | 2·0 | 400 | 9·0 | | 30 | U.S.A. |
| 6086 | | 18·0 | 0·1 | 210 | 10·0 | 120 | 2·1 | 2·0 | 500 | 9·0 | | 31 | U.S.A. |
| 6132 | | 6·3 | 0·75 | 250 | 40·0 | 250 | 6·0 | 4·5 | 50 | 11·0 | | 32 | U.S.A. |
| 6196 | | 3·0 | 0·05 | 9 | 0·004 | 6 | 0·5 | 4·0 | Electrometer | | | 36 | U.S.A. |
| 6250 | | 3·0 | 0·05 | 9 | 0·0075 | 6 | 0·5 | 4·0 | Electrometer | | | 37 | U.S.A. |
| 6267 | | 6·3 | 0·2 | 250 | 3·0 | 140 | 0·55 | 2·0 | 2500 | 1·85 | | 30 | U.S.A. |
| 18042 | | 18·0 | 0·1 | 210 | 10·0 | 120 | 2·1 | 165* | 400 | 9·0 | | 31 | European |
| 18043 | | 6·3 | 0·3 | 210 | 10·0 | 120 | 2·2 | 165* | 400 | 9·0 | | 31 | European |
| E80F | | 6·3 | 0·3 | 250 | 3·0 | 100 | 0·55 | 2·0 | 2000 | 1·85 | | 30 | European |
| E83F | | 6·3 | 0·3 | 210 | 10·0 | 120 | 2·2 | 165* | 400 | 9·0 | | 31 | European |
| EBF81 | | 6·3 | 0·3 | 250 | 6·7 | 85 | 2·3 | 2·0 | 1000 | 1·1 | | 21 | Mul.-Eupn. |
| EF81 | Var. μ | 6·3 | 0·2 | 250 | 6·0 | 125 | 1·7 | 2·5 | 1000 | 2·2 | | 22 | Mul.-Eupn. |
| EF85 | Var. μ | 6·3 | 0·3 | 250 | 8·0 | 85 | 2·0 | 1·8 | 500 | 5·7 | | 23 | Mul.-Eupn. |
| EF86 | | 6·3 | 0·2 | 250 | 3·0 | 140 | 0·55 | 2·0 | 2500 | 1·85 | | 30 | Mul.-Eupn. |
| EF800 | | 6·3 | 0·3 | 170 | 10·0 | 170 | 2·5 | 2·0 | 400 | 7·2 | | 23 | European |
| EF802 | | 6·3 | 0·3 | 170 | 12·0 | 170 | 3·0 | 1·8 | 300 | 8·0 | | 33 | European |
| EF804 | | 6·3 | 0·2 | 250 | 3·0 | 140 | 0·55 | 2·0 | 2500 | 2·0 | | 34 | European |
| EF804S | | 6·3 | 0·17 | 250 | 3·0 | 140 | 0·55 | 2·0 | 2500 | 2·0 | | 34 | European |
| PCF80 | | 8·5 | 0·3 | 170 | 10·0 | 170 | 3·0 | — | — | 6·0 | | 35 | Mul.-Eupn |
| UF80 | | 20·0 | 0·1 | 170 | 10·0 | 170 | 2·5 | 2·0 | 400 | 7·2 | | 23 | Mul.-Eupn |
| UF85 | Var. μ | 21·0 | 0·1 | 200 | 8·0 | 85 | 2·0 | 1·8 | 400 | 5·70 | | 23 | Mul.-Eupn |
| Z152 | | 6·3 | 0·3 | 170 | 10·0 | 170 | 2·5 | 2·0 | 400 | 7·4 | | 23 | Marconi |
| Z309 | | 12·6/6·3 | 0·3/0·6 | 250 | 20·0 | 250 | 5·5 | 2·0 | 500 | 15·0 | | 23* | Osram |
| Z719 | | 6·3 | 0·3 | 170 | — | 170 | — | 2·0 | 400 | 7·4 | | 23 | Osram |

*Heater CT to pin 6.

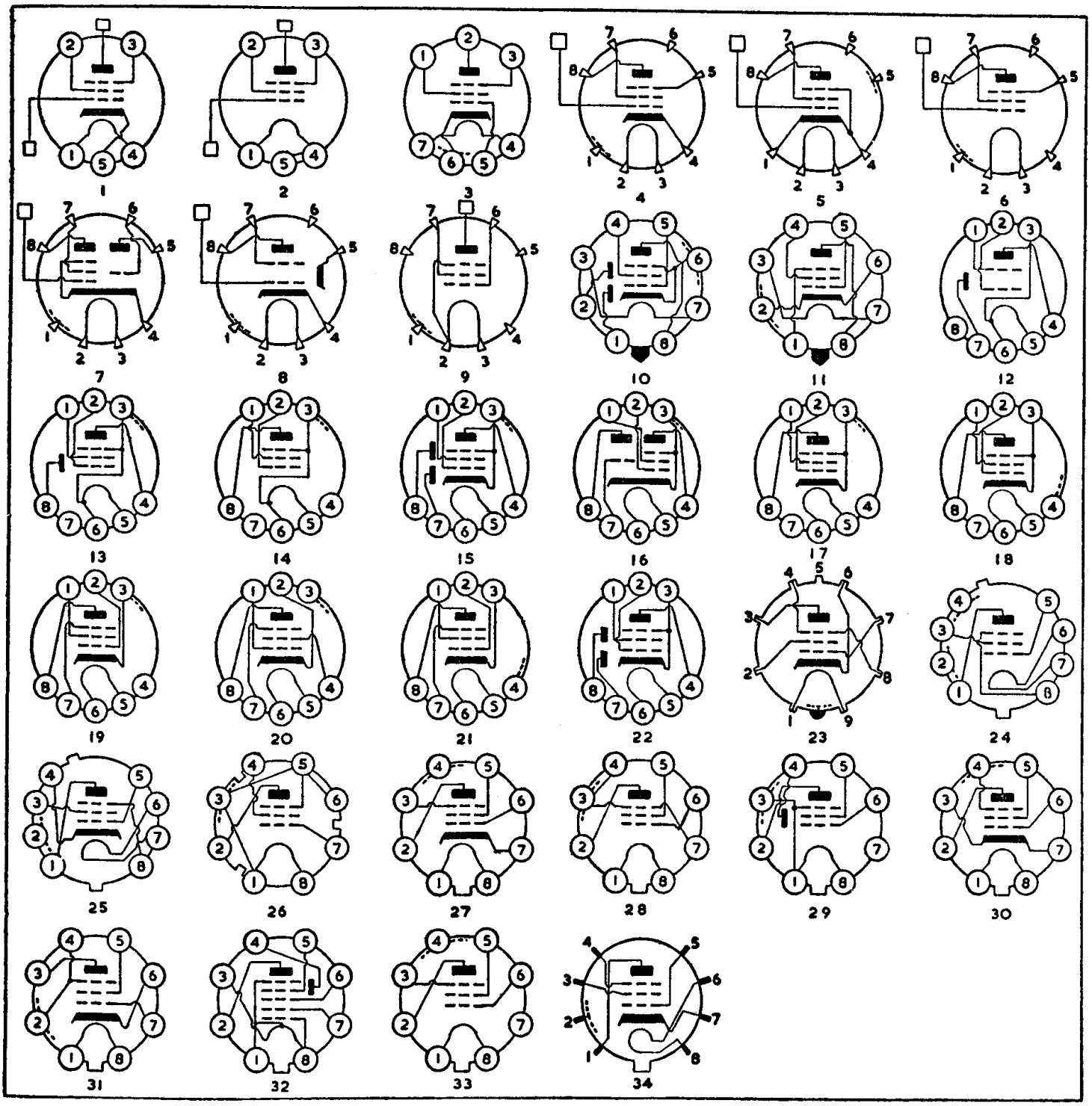
| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| Z729 | 6·3 | 0·2 | 250 | 3·0 | 140 | — | 2·5 | 2000 | 1·85 | B9A | 20 | Osram |
| ZD152 Var. μ | 6·3 | 0·3 | 250 | 5·0 | 85 | 1·75 | 2·0 | 1500 | 2·2 | | 21 | Marconi |
| EE50 | 6·3 | 0·3 | 250 | 10·0 | 250 | 0·6 | 3·0 | 250 | 14·0 | B9G | 39 | European |
| EF53 | 6·3 | 0·3 | 250 | 10·0 | 250 | 3·0 | 2·0 | 1000 | 6·5 | | 40 | European |
| EFF51 | 6·3 | 0·75 | 250 | 6·0 | 200 | 1·2 | 2·0 | 350 | 7·5 | | 38 | European |
| EFP60 | 6·3 | 0·37 | 250 | 20·0 | 250 | 1·5 | 2·0 | 70 | 25·0 | | 41 | European |



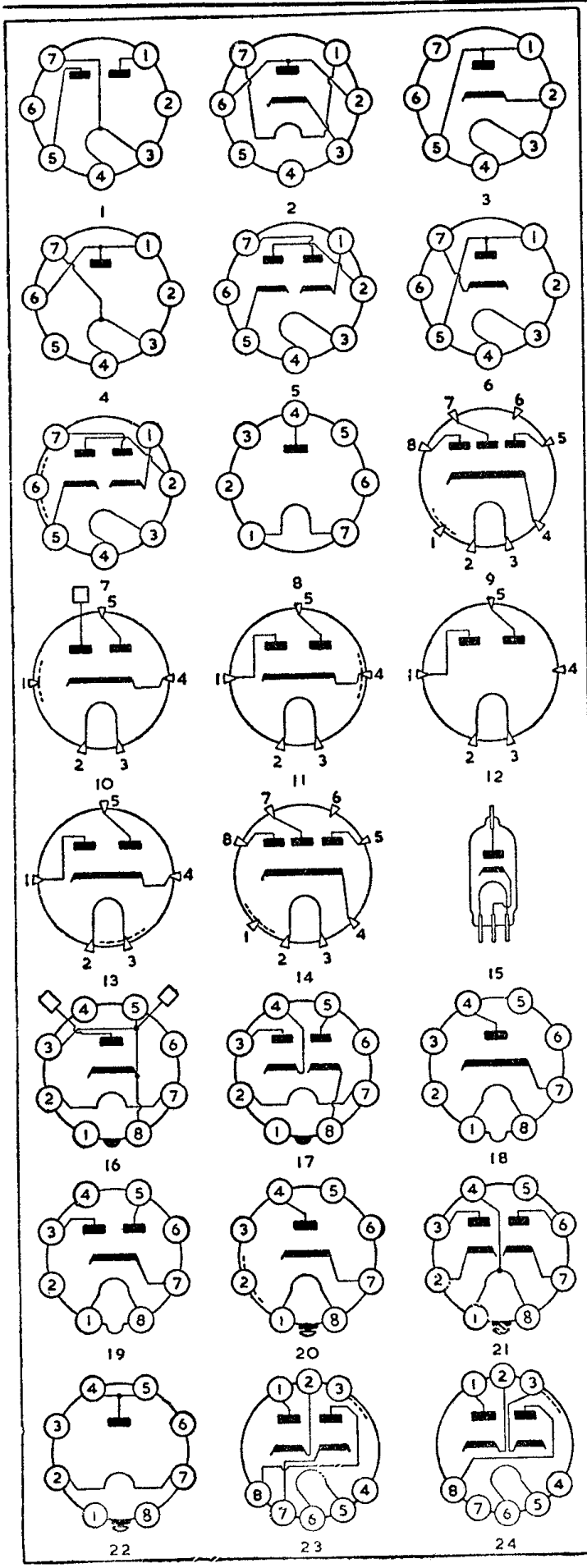
# SCREENED TETRODES and PENTODES—*Contd.*

| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| 954 | | 6·3 | 0·15 | 250 | 2·0 | 100 | 0·7 | 3·0 | 1000 | 1·4 | Acorn A | 1 | U.S.A. |
| 956 | | 6·3 | 0·15 | 250 | 6·7 | 100 | 2·7 | 3·0 | 700 | 1·8 | | 1 | U.S.A. |
| 959 | | 1·25 | 0·05 | 135 | 1·7 | 67·5 | 0·4 | 3·0 | 800 | 0·6 | | 2 | U.S.A. |
| D3F | | 1·25 | 0·05 | 135 | 1·7 | 67·5 | 0·4 | 3·0 | 800 | 0·6 | | 2 | European |
| E1F | | 6·3 | 0·15 | 250 | 2·0 | 100 | 0·7 | 3·0 | 3500 | 1·4 | | 1 | Euronean |
| E2F | | 6·3 | 0·15 | 250 | 5·5 | 100 | 1·8 | 3·0 | 800 | 1·8 | | 1 | European |
| D1F | | 1·4 | 0·1 | 150 | 3·0 | 50 | 1·0 | 1·5 | 500 | 1·8 | Acorn C | 3 | European |
| D2F | | 1·4 | 0·24 | 250 | 10·0 | 250 | 1·8 | 5·5 | 500 | 3·4 | | 3 | European |
| E3F | | 6·3 | 0·2 | 200 | 4·5 | 200 | 1·5 | 2·0 | 900 | 2·4 | | 3 | European |
| 4673 | | 4·0 | 1·35 | 250 | 8·0 | 200 | 1·5 | 2·5 | 1500 | 5·0 | P | 4 | European |
| AF3 | Var. μ | 4·0 | 0·65 | 250 | 8·0 | 100 | 2·6 | 3·0 | 1200 | 1·8 | | 4 | European |
| AF7 | | 4·0 | 0·65 | 250 | 3·0 | 100 | 1·1 | 2·0 | 2000 | 2·1 | | 4 | European |
| CF1 | Var. μ | 13·0 | 0·2 | 200 | 3·0 | 100 | 0·9 | 2·0 | 700 | 3·2 | | 4 | European |
| CF2 | Var. μ | 13·0 | 0·2 | 200 | 4·5 | 100 | 1·4 | 2·0 | 1400 | 2·2 | | 4 | European |
| CF3 | Var. μ | 13·0 | 0·2 | 200 | 8·0 | 100 | 2·6 | 3·0 | 900 | 1·8 | | 4 | European |
| CF7 | | 13·0 | 0·2 | 200 | 3·0 | 100 | 1·1 | 2·0 | 2000 | 2·1 | | 4 | European |
| CF50 | | 30·0 | 0·2 | 250 | 1·5 | 100 | 0·3 | 2·0 | 2500 | 3·3 | | 5 | European |
| CF51 | | 30·0 | 0·2 | 250 | 1·5 | 100 | 0·3 | 2·0 | 2500 | 3·3 | | 5 | European |
| ECF1 | | 6·3 | 0·2 | 250 | 5·0 | 75 | 2·0 | 2·0 | 1600 | 2·0 | | 7 | European |
| EE1 | | 6·3 | 0·6 | 250 | 8·0 | 150 | 0·45 | 2·5 | 50 | 17·0 | | 8 | European |
| EEP1 | | 6·3 | 0·6 | 250 | 8·0 | 150 | 0·45 | 2·5 | 50 | 17·0 | | 8 | European |
| EF3 | | 6·3 | 0·24 | 250 | 8·0 | 100 | 3·1 | 2·5 | 1500 | 1·8 | | 4 | European |
| EF7 | | 6·3 | 0·24 | 250 | 3·0 | 100 | 1·0 | 1·5 | 2000 | 2·0 | | 4 | European |
| KF3 | Var. μ | 2·0 | 0·045 | 135 | 2·0 | 135 | 0·6 | 0·5 | 1300 | 0·65 | | 6 | European |
| KF4 | | 2·0 | 0·065 | 90 | 1·2 | 90 | 0·4 | 0·0 | 1300 | 0·7 | | 6 | European |
| KF7 | | 2·0 | 0·065 | 90 | 1·8 | 90 | 0·7 | 1·5 | 2000 | 0·7 | | 9 | European |
| KF8 | | 2·0 | 0·065 | 90 | 1·5 | 90 | 0·6 | 1·0 | 1200 | 0·6 | | 9 | European |
| NF2 | | 12·6 | 0·2 | 200 | 3·0 | 100 | 1·0 | 2·0 | 1800 | 2·2 | | 4 | European |
| NF3 | | 12·6 | 0·195 | 200 | 4·5 | 100 | 1·5 | 2·0 | 700 | 2·3 | | 4 | European |
| UF5 | | 12·6 | 0·1 | 100 | 3·2 | 100 | 1·7 | 2·5 | 100 | 2·2 | | 4 | European |
| UF6 | | 12·6 | 0·1 | 200 | 3·0 | 100 | 0·8 | 2·0 | 2000 | 1·8 | | 4 | European |
| UF10 | | 12·6 | 0·1 | 250 | 6·0 | 100 | 1·7 | 2·5 | 1250 | 2·2 | | 4 | European |
| VF3 | | 55·0 | 0·05 | 200 | 6·0 | 100 | 2·6 | 2·0 | 1500 | 2·1 | | 4 | European |
| VF7 | | 55·0 | 0·05 | 200 | 3·0 | 100 | 1·0 | 1·0 | 2000 | 2·1 | | 4 | European |
| EBF171 | | 6·3 | 0·32 | 250 | 6·0 | 80 | 1·8 | 2·0 | 1500 | 1·8 | G8G | 10 | European |
| EF172 | | 6·3 | 0·32 | 250 | 5·0 | 100 | 1·5 | 2·0 | 800 | 3·0 | | 11 | European |
| EF174 | | 6·3 | 0·45 | 200 | 12·0 | 200 | 3·0 | 3·5 | 150 | 9·0 | | 11 | European |
| EF175 | | 6·3 | 0·45 | 250 | 12·0 | 100 | 3·0 | 2·0 | — | 4·5 | | 11 | European |
| UBF171 | | 20·0 | 0·1 | 200 | 6·0 | 80 | 1·8 | 2·0 | 1500 | 1·8 | | 10 | European |
| UF172 | | 20·0 | 0·1 | 200 | 5·0 | 100 | 1·5 | 2·0 | 800 | 3·0 | | 11 | European |
| UF174 | | 30·0 | 0·1 | 200 | 12·0 | 200 | 3·0 | 3·5 | 150 | 9·0 | | 11 | European |
| UF175 | | 30·0 | 0·1 | 200 | 12·0 | 100 | 3·0 | 2·0 | — | 4·5 | | 11 | European |
| DAF1 | | 1·2 | 0·05 | 120 | 1·4 | 60 | 0·20 | 0 | — | — | G8A | 12 | European |
| DAF11 | | 1·2 | 0·05 | 120 | 0·29 | 90 | 0·05 | 5·5 | 300 | — | | 13 | European |
| DF11 | Var. μ | 1·25 | 0·025 | 120 | 1·2 | 60 | 0·22 | 0 | 1000 | 0·7 | | 14 | European |
| EBF11 | | 6·3 | 0·2 | 250 | 5·0 | 100 | 1·6 | 2·0 | 2000 | 1·8 | | 15 | European |
| EBF15 | | 6·3 | 0·47 | 250 | 12·0 | 100 | 3·0 | 2·0 | 500 | 5·0 | | 15 | European |
| ECF12 | | 6·3 | 0·3 | 250 | 5·0 | 100 | 1·7 | 2·0 | 1500 | 2·0 | | 16 | European |
| EF11 | | 6·3 | 0·2 | 250 | 6·0 | 75 | 2·0 | 2·0 | 2000 | 2·2 | | 17 | European |
| EF12 | | 6·3 | 0·2 | 250 | 3·0 | 100 | 1·0 | 2·0 | 2000 | 2·1 | | 17 | European |
| EF12 Spez | | 6·3 | 0·2 | 250 | 3·0 | 100 | 0·65 | 2·0 | 1300 | 1·7 | | 18 | European |
| EF13 | Var. μ | 6·3 | 0·2 | 250 | 4·5 | 100 | 0·6 | 2·0 | 500 | 2·3 | | 19 | European |
| EF14 | | 6·3 | 0·47 | 250 | 12·0 | 200 | 1·9 | 5·0 | 180 | 7·0 | | 20 | European |
| EF15 | | 6·3 | 0·47 | 250 | 12·0 | 100 | 3·0 | 2·0 | 500 | 5·5 | | 21 | European |
| EF111 | | 6·3 | 0·2 | 250 | 6·0 | 75 | 2·0 | 2·0 | 2000 | 2·2 | | 20 | European |
| EF112 | | 6·3 | 0·2 | 250 | 3·0 | 100 | 1·0 | 2·0 | 2000 | 2·1 | | 20 | European |
| UBF11 | Var. μ | 20·0 | 0·1 | 200 | 5·0 | 80 | 1·7 | 2·0 | 1500 | 1·8 | | 15 | European |
| UBF15 | | 27·0 | 0·1 | 250 | 12·0 | 100 | 3·0 | 2·0 | 500 | 5·0 | | 15 | European |
| UCF12 | | 20·0 | 0·1 | 200 | 5·0 | 100 | 1·7 | 2·0 | 1500 | 2·0 | | 16 | European |
| UF11 | | 15·0 | 0·1 | 200 | 6·0 | 80 | 2·0 | 2·0 | 1500 | 2·2 | | 17 | European |
| UF14 | | 25·0 | 0·1 | 200 | 12·0 | 200 | 1·9 | 5·0 | 180 | 7·0 | | 20 | European |
| UF15 | | 26·0 | 0·1 | 200 | 12·0 | 80 | 3·0 | 1·0 | 500 | 5·5 | | 21 | European |
| VBF11 | Var. μ | 35·0 | 0·05 | 200 | 5·0 | 80 | 1·7 | 2·0 | 1500 | 1·8 | | 22 | European |
| VF14 | | 55·0 | 0·05 | 200 | 12·0 | 200 | 3·0 | 4·5 | 150 | 7·0 | | 20 | European |
| EF21 | | 6·3 | 0·2 | 250 | 6·0 | 100 | 1·7 | 2·5 | 1250 | 2·2 | G9 | 23 | European |
| 6C9 | | 6·3 | 0·45 | 300 | 10·0 | 150 | 2·5 | 160* | 1000 | 9·0 | WB8 | 34 | European |
| 6V9 | | 6·3 | 0·45 | 300 | 12·5 | 200 | 3·2 | 3·0 | 700 | 5·0 | | 34 | European |
| AF100 | | 4·0 | 0·7 | 250 | 15·0 | 200 | 1·6 | 2·1 | 300 | 10·5 | | 34 | European |

| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | Type | Ref. | |
| DF41W | 1·2 | 0·025 | 120 | 1·0 | 60 | 0·25 | — | 1000 | 0·6 | WC8 | 26 | European |
| RV2·4P1400 | 2·4 | 0·26 | 110 | 6·0 | 110 | 1·1 | 1·0 | 200 | 3·0 | W8 | 24 | European |
| RV12P3000 | 12·6 | 0·2 | 250 | 20·0 | 200 | 2·3 | 2·5 | 200 | 10·0 | | 25 | European |
| LV9 | 1·2 | 0·05 | 45 | 1·15 | 45 | 0·2 | 2·3 | 500 | 0·8 | WA8 | 28 | European |
| LV10 | 1·2 | 0·1 | 45 | 3·0 | 45 | 0·6 | 2·3 | 800 | 1·6 | | 29 | European |
| LV11 | 12·6 | 0·09 | 200 | 3·0 | 90 | 0·5 | 1·6 | — | 2·0 | | 27 | European |
| LV14 | 12·6 | 0·18 | 200 | 8·0 | 70 | 1·3 | 1·7 | — | 3·7 | | 27 | European |
| LV16 | 12·6 | 0·18 | 250 | 14·0 | 250 | 2·6 | 2·0 | 500 | 9·5 | | 30 | European |
| RD2·4Pd | 2·4 | 0·19 | 130 | 3·0 | 130 | 0·35 | 1·2 | 1000 | 1·6 | | 31 | European |
| RD12Pb | 12·6 | 0·07 | 200 | 4·0 | 130 | 0·6 | 1·2 | 1000 | 2·6 | | 31 | European |
| RV1PG1 | 2·4 | 0·025 | | | | | | | | | | |
| | 1·2 | 0·05 | 15 | 0·8 | 15 | 0·2 | 0 | 90 | 0·65 | | 32 | European |
| RV2·4Pa | 2·4 | 0·12 | 130 | 4·0 | 130 | 0·8 | 2·0 | — | 1·5 | | 33 | European |
| RV12Pa | 12·6 | 0·18 | 200 | 5·0 | 150 | — | 5·5 | — | 2·8 | | 27 | European |



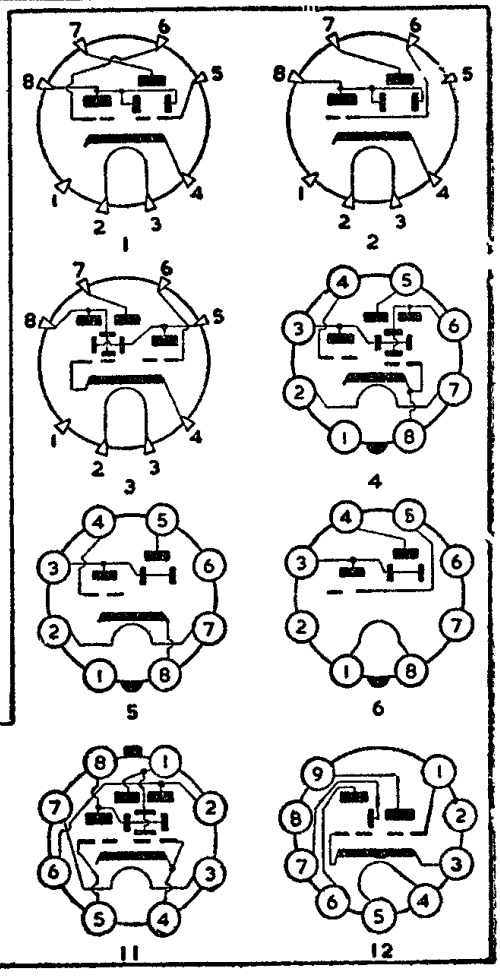
# DIODES

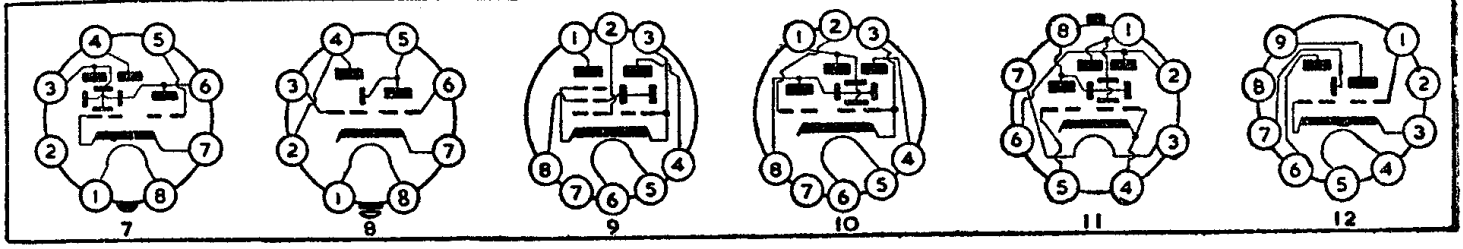



| Type | FILAMENT or HEATER | | Input Volts (RMS) | Max. I/mA | BASE | | Maker |
|---|---|---|---|---|---|---|---|
| | Volts | Amps | | | Type | Ref. | |
| 952F | 6·3 | 0·15 | 200 | 2·0 | Acorn B | 34 | European |
| 9004 | 6·3 | 0·15 | 117 | 5·0 | | 35 | U.S.A. |
| 9005 | 6·3 | 0·15 | 117 | 1·0 | | 36 | U.S.A. |
| SA1 | 4·0 | 0·21 | 30 | 0·2 | WA3 | 40 | European |
| SA100 | 1·9 | 0·32 | 100 | 0·1 | | 41 | European |
| SA102 | 1·9 | 0·35 | 100 | 0·1 | | 41 | European |
| LG1 | 12·6 | 0·24 | 100 | 2·0 | WA5 | 37 | European |
| LG7 | 12·6 | 0·3 | 100 | 5·0 | | 37 | European |
| RD2·4Ga | 2·4 | 0·05 | 6 | 0·6 | WB5 | 38 | European |
| RD2·4Gc | 2·4 | 0·3 | 4 | 2·0 | | 38 | European |
| RD12Ga | 12·6 | 0·07 | 4 | 2·0 | | 39 | European |
| RG2·4D1 | 2·4 | 0·1 | 5 | 1·5 | W6 | 28 | European |
| RG12D2 | 12·6 | 0·075 | 5 | 4·0 | | 29 | European |
| RG12D3 | 12·6 | 0·1 | 5 | 3·0 | | 30 | European |
| LG9 | 12·6 | 0·35 | 100 | 5·0 | WB6 | 31 | European |
| LG8 | 1·2 | 0·05 | 200 | 0·8 | WA8 | 32 | European |
| K81A | 2·0 | 2·5 | 150 | Noise Diode | B9A | 25 | European |
| DA50 | 1·2 | 0·3 | 125 | 0·2 | B2A | 26 | European |
| 6DR4 | 6·3 | 0·15 | 200 | 2·0 | B3G | 15 | European |
| SD61 | 6·3 | 0·15 | 50 | 5·0 | | 15 | Cossor |
| 559 | 6·3 | 0·75 | 5 | 24·0 | I.O. | 16 | U.S.A. |
| 1638 | 6·3 | 0·2 | 200 | 0·8 | | 17 | U.S.A. |
| EA40 | 6·3 | 0·2 | — | 25·0 | B8A | 18 | European |
| EB40 | 6·3 | 0·26 | 200 | 2·0 | | 19 | European |
| 1203/A | 6·3 | 0·16 | 117 | 5·0 | B8G | 20 | U.S.A. |
| 5679 | 6·3 | 0·15 | 150 | 10·0 | | 21 | U.S.A. |
| X6030 | 3·0 | 0·6 | 250 | 3·0 | | 22 | U.S.A. |
| EAA11 | 6·3 | 0·4 | — | — | G8A | 23 | European |
| EB11 | 6·3 | 0·26 | 200 | 0·8 | | 24 | European |
| UAA11 | 20·0 | 0·1 | 200 | 5·0 | | 23 | European |
| EAA171 | 6·3 | 0·36 | 200 | 5·0 | G8G | 33 | European |
| UAA171 | 25·0 | 0·1 | 200 | 5·0 | | 33 | European |
| AAB1 | 4·0 | 0·65 | 200 | 0·8 | P | 9 | European |
| AB2 | 4·0 | 0·65 | 200 | 0·8 | | 11 | European |
| CB1 | 13·0 | 0·2 | 200 | 0·8 | | 10 | European |
| CB2 | 13·0 | 0·2 | 200 | 0·8 | | 11 | European |
| EB1 | 6·3 | 0·25 | 200 | 0·8 | | 10 | European |
| EB2 | 6·3 | 0·25 | 200 | 0·8 | | 11 | European |
| KB1 | 2·0 | 0·065 | 50 | 0·4 | | 12 | European |
| KB2 | 2·0 | 0·095 | 200 | 0·8 | | 13 | European |
| PAB1 | 6·3 | 0·3 | 200 | 0·8 | | 14 | European |
| 1D13 | 1·4 | 0·15 | 130 | 0·5 | B7G | 2 | Mazda |
| 6D3 | 6·3 | 0·3 | 250 | 5·0 | | 3 | Mazda |
| 5722 | 4·9 | 1·6 | 200 | 35·0 | | 4 | U.S.A. |
| 5726 | 6·3 | 0·3 | 117 | 9·0 | | 5 | Am-Brit. |
| 5845 | 4·3 | 0·435 | 300 | Noise Diode | | 1 | U.S.A. |
| 6058 | 6·3 | 0·3 | 150 | 9·0 | | 5 | Am-Brit. |
| 9006 | 6·3 | 0·15 | 270 | 5·0 | | 6 | U.S.A. |
| D2M9 | 6·3 | 0·3 | 150 | 9·0 | | 7 | European |
| D152 | 6·3 | 0·3 | 150 | 9·0 | | 7 | Marconi |
| DA101 | 1·25 | 0·05 | 125 | 0·2 | | 8 | European |
| EAA91 | 6·3 | 0·3 | 150 | 9·0 | | 7 | European |
| QA2404 | 6·3 | 0·3 | 200 | 5·0 | | 7 | Osram |
| UAA91 | 12·6 | 0·15 | 117 | 9·0 | | 7 | European |

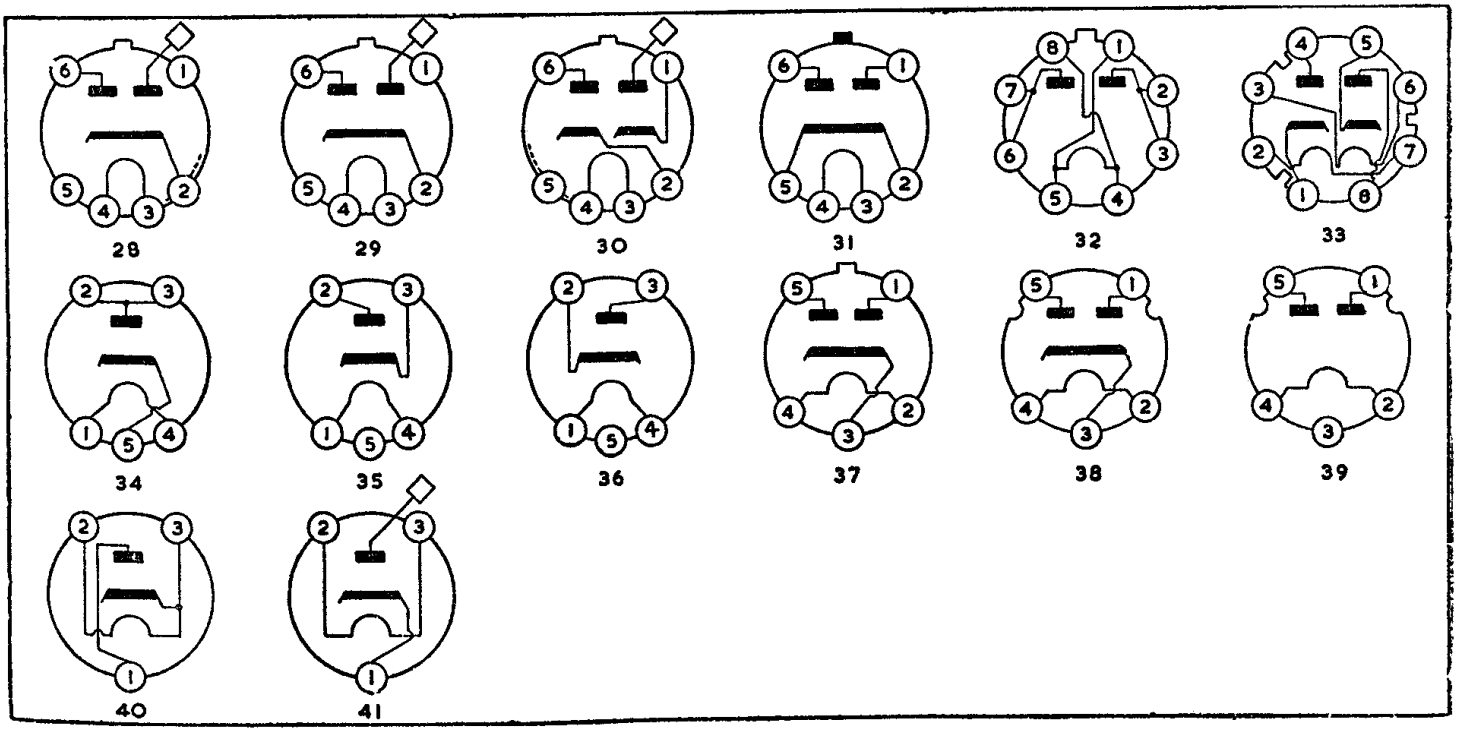
# TUNING INDICATORS

| Type | HEATER | | TARGET | | Grid Volts | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | | Type | Ref. | |
| AM1 | 4·0 | 0·3 | 250 | 0·14 | 5·0 | P | 1 | European |
| AM2 | 4·0 | 0·3 | 250 | 0·9 | 6·0 | | 1 | European |
| C/EM2 | 6·3 | 0·2 | 250 | 0·9 | 6·0 | | 1 | European |
| EM2 | 6·3 | 0·2 | 200 | 0·9 | 5·0 | | 2 | European |
| EM5 | 6·3 | 0·2 | 250 | 0·45 | 20·0 | | 3 | European |
| 6CD7 | 6·3 | 0·2 | 250 | 0·75 | 16·0 | I.O. | 4 | U.S.A. |
| 6S5 | 6·3 | 0·3 | 250 | 3·0 | 8·0 | | 5 | U.S.A. |
| DM21 | 1·25 | 0·025 | 120 | 0·26 | 4·0 | | 6 | European |
| OM5 | 12·6 | 0·15 | 200 | 0·63 | 15·0 | | 7 | European |
| PM5 | 6·3 | 0·3 | 200 | 0·63 | 15·0 | | 7 | European |
| UM4 | 12·6 | 0·1 | 250 | 0·75 | 4·2 | | 7 | European |
| EM71 | 6·3 | 0·3 | 250 | 2·5 | 20·0 | B8G | 8 | European |
| EM72 | 6·3 | 0·3 | 250 | 2·5 | 20·0 | | 8 | European |
| EM85 | 6·3 | 0·3 | 250 | 2·1 | 18·0 | B9A | 12 | European |
| HM85 | 12·6 | 0·15 | 250 | 2·1 | 18·0 | | 12 | European |
| UM85 | 18·9 | 0·1 | 250 | 2·1 | 18·0 | | 12 | European |
| EFM11 | 6·3 | 0·2 | 250 | 1·0 | 20·0 | G8A | 9 | European |
| EM11 | 6·3 | 0·2 | 250 | 0·46 | 20·0 | | 10 | European |
| UFM11 | 15·0 | 0·1 | 200 | 0·50 | 18·0 | | 9 | European |
| UM11 | 15·0 | 0·1 | 200 | 0·4 | 20·0 | | 10 | European |
| EM171 | 6·3 | 0·2 | 250 | — | 18·0 | G8G | 11 | European |
| UM171 | 15·0 | 0·1 | 200 | — | 20·0 | | 11 | European |



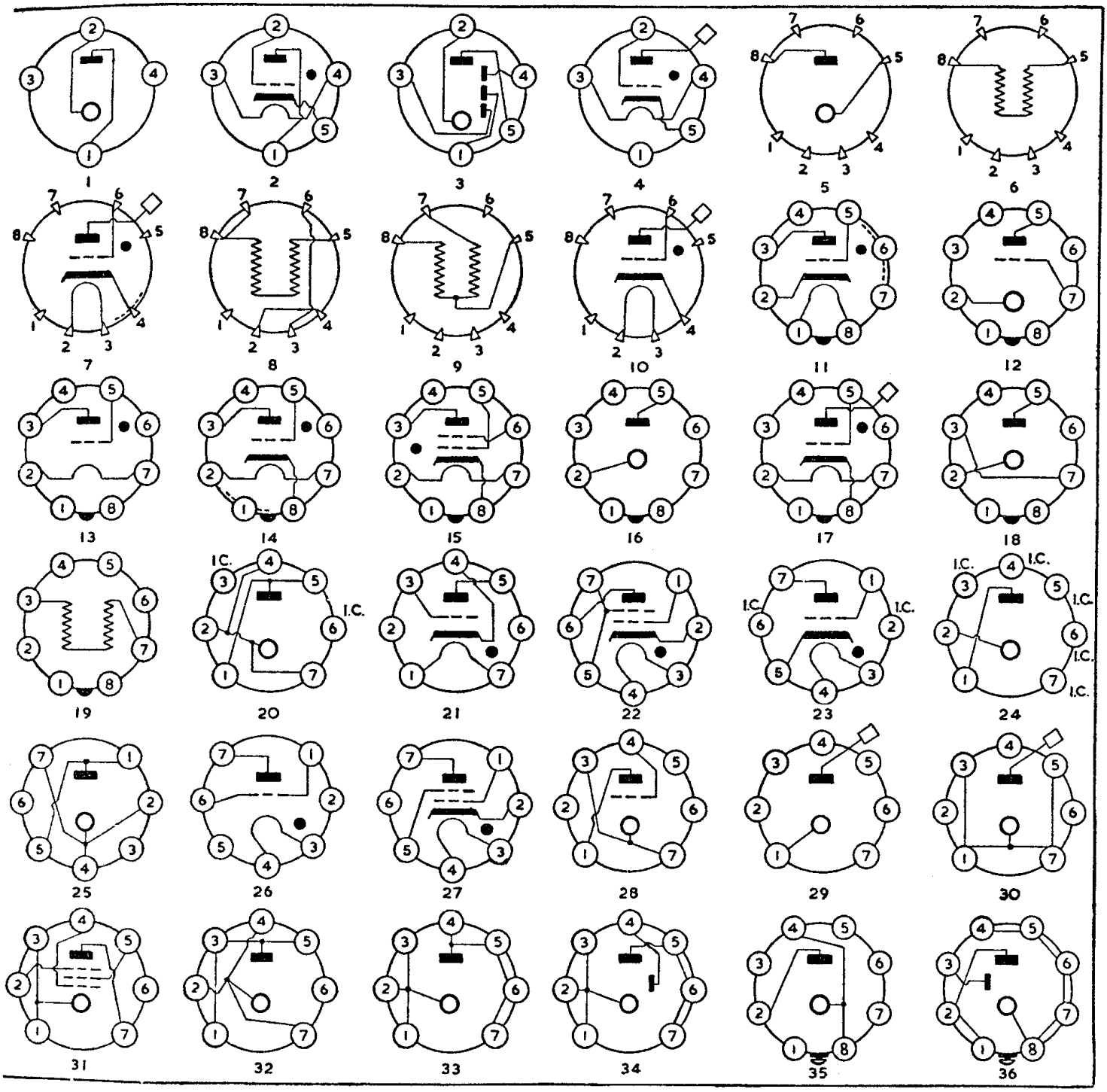




# DIODE BASES—*Contd.*



# REGULATORS and THYRATRONS

| Type | Used as | HEATER Vf | HEATER If | STABILISED SUPPLY | | STRIKING VOLTS | VOLTAGE DROP | TUBE CURRENT mA | | Max. Anode | Max. Peak Current | Control Ratio | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | Amps | Volts | Volts | Min. | Max. | Volts | Amps | | Type | Ref. | |
| 100E1 | VR | — | — | 90–105 | — | 140 | — | 50 | 200 | — | — | — | B4 | 1 | |
| GT1C | Relay | 4·0 | 1·35 | — | — | — | 16 | — | — | 500 | 1·0 | 28 | B5 | 2 | M.O.V. |
| STV280/40 | VR | — | — | 280 | — | 420 | — | 35 | 60 | — | — | — | | 3 | M.O.V. |
| STV280/80 | VR | — | — | 280 | — | 420 | — | 70 | 100 | — | — | — | | 3 | M.O.V. |
| T31 | Relay | 4·0 | 1·5 | — | — | — | 40 | — | — | 200 | 0·5 | 20 | | 4 | Mazda |
| 150A1 | VR | — | — | 150–170 | — | 205 | — | 1 | 8 | — | — | — | P | 5 | European |
| 150C1P | VR | — | — | 146–166 | — | 205 | — | 5 | 40 | — | — | — | | 5 | European |
| 1945 | CR | — | — | — | 0·275 | — | 80–120 | — | — | — | — | — | | 6 | European |
| 4690 | Relay | 4·0 | 1·3 | | | | | — | — | 500 | 0·75 | 35 | | 7 | European |
| C8 | CR | — | — | — | 0·2 | — | 80–200 | — | — | — | — | — | | 6 | European |
| C10 | CR | — | — | — | 0·2 | — | 35–100 | — | — | — | — | — | | 8 | European |
| C12 | CR | — | — | — | 0·2 | — | 80–200<br>35–100 | — | — | — | — | — | | 9 | European |
| EC50 | Relay | 6·3 | 1·3 | — | — | — | 35 | — | — | 1000 | 0·75 | 35 | | 10 | Mul.-Eupn |
| T41 | Relay | 4·0 | 1·5 | — | — | — | 40 | — | — | 400 | 0·5 | 20 | M.O. | 11 | Mazda |
| 1C21 | Relay | Cold | — | — | — | — | — | — | — | 145 | 0·1 | — | I.O. | 12 | U.S.A. |
| 2A4 | Relay | 2·5 | 2·5 | — | — | — | 15 | — | — | 200 | 1·25 | 100 | | 13 | U.S.A. |
| 6K25 | Relay | 6·3 | 0·95 | — | — | — | 4 | — | — | 400 | 0·5 | 20 | | 14 | Mazda |
| 6Q5 | Relay | 6·3 | 0·6 | — | — | — | 19 | — | — | 300 | 0·3 | — | | 14 | U.S.A. |
| 20A2 | Relay | 6·3 | 1·0 | — | — | — | 9 | — | — | 600 | 1·25 | — | | 15 | Mazda |
| 150C1K | VR | — | — | 146–166 | — | 205 | — | 5 | 40 | — | — | — | | 16 | European |
| 502A | Relay | 6·3 | 0·6 | — | — | — | 11 | — | — | 400 | 0·5 | — | | 15 | U.S.A. |
| 884 | Relay | 6·3 | 0·6 | — | — | — | 100 | — | — | 300 | 0·3 | — | | 14 | U.S.A. |
| 1267 | Relay | — | — | — | — | — | 76 | — | — | 225 | 0·225 | — | | 12 | U.S.A. |
| 2050 | Relay | 6·3 | 0·6 | — | — | — | — | — | — | 650 | — | — | | 15 | U.S.A. |
| 2051 | Relay | 6·3 | 0·6 | — | — | — | 16 | — | — | 350 | 0·375 | — | | 15 | U.S.A. |
| 4687K | VR | — | — | 90–100 | — | 130 | — | 10 | 40 | — | — | — | I.O. | 16 | European |
| EN31 | Relay | 6·3 | 1·3 | — | — | — | 35 | — | — | 1000 | 0·75 | — | | 17 | Mullard |
| OA4 | Relay | — | — | — | — | — | 76 | — | — | 225 | 0·225 | — | | 12 | U.S.A. |
| QS150/40 | VR | — | — | 150 | — | 160 | — | 5 | 40 | — | — | — | | 18 | M.O.V. |
| STV70/60 | VR | — | — | 70 | — | 105 | — | 5 | 60 | — | — | — | | 18 | M.O.V. |
| U30 | CR | — | — | — | 0·1 | — | 70–122 | — | — | — | — | — | | 19 | European |
| 1B46 | VR | — | — | 82 | — | 250 | — | 1 | 2 | — | — | — | B7G | 20 | U.S.A. |
| 2C4 | Relay | 2·5 | 0·65 | 350v. Anode | | 50v. | Grid 5mA | | | | | | | 21 | U.S.A. |
| 2D21 | Relay | 6·3 | 0·6 | 400v. Peak | | — | — | — | — | — | — | — | — | 22 | U.S.A. |
| 6D4 | Relay | 6·3 | 0·25 | 350 Anode Volts | | | 50v. Grid | 25mA | | | | | | 23 | U.S.A. |
| 20A3 | Relay | 6·3 | 0·6 | — | — | — | 8 | — | — | 650 | ·5 | — | | 22 | Mazda |
| 90C1 | VR | — | — | 90 | — | 125 | — | 1 | 40 | — | — | — | | 20 | Mullard |
| 150B2 | VR | — | — | 143–147 | — | 180 | — | 5 | 15 | — | — | — | | 24 | Mullard |
| 5651 | VR | — | — | 87 | — | 115 | — | 1·5 | 3·5 | — | — | — | | 25 | U.S.A. |
| 5662 | Relay | 6·3 | 0·15 | — | — | — | — | — | — | 200 | 20 | — | | 26 | U.S.A. |
| 5663 | Relay | 6·3 | 0·15 | 500v. Peak 100 mA | | | Peak 20 mA | Average | | — | — | — | | 27 | U.S.A. |
| 5696 | Relay | 6·3 | 0·15 | — | — | — | — | — | — | 500 | 100 | 250 | | 22 | U.S.A. |
| 5727 | Relay | 6·3 | 0·6 | — | — | — | — | — | — | 650 | 500 | — | | 22 | U.S.A. |
| 5823 | Relay | — | — | — | — | — | — | — | — | 200 | 100 | — | | 28 | U.S.A. |
| 5962 | VR | — | — | 700 | — | 730 | — | ·005 | ·055 | — | — | — | | 29 | U.S.A. |
| 6073 | VR | — | — | 150 | — | 185 | — | 5 | 30 | — | — | — | | 25 | U.S.A. |
| 6074 | VR | — | — | 108 | — | 133 | — | 5 | 30 | — | — | — | | 25 | U.S.A. |
| CK1017 | VR | — | — | 700 | — | 800 | — | ·005 | ·055 | — | — | — | | 30 | U.S.A. |
| CK1022 | VR | — | — | 1000 | — | 1100 | — | ·005 | ·055 | — | — | — | | 30 | U.S.A. |
| OA5 | Relay | — | — | 750v. Anode | | 90v. | Screen + | 3v. Grid | 85v. | Pulse | — | — | | 31 | U.S.A. |
| OG3 | VR | — | — | 85 | — | 125 | — | 1 | 10 | — | — | — | | 32 | U.S.A. |
| PL21 | Relay | 6·3 | 0·6 | 400v. Peak | | — | — | — | — | — | — | — | | 22 | Mul.-Eupı |
| QS70/20 | VR | — | — | 70 | — | 95 | — | 2 | 20 | — | — | — | | 33 | M.O.V. |
| QS83/3 | VR | — | — | 83 | — | 130 | — | 1 | 5 | — | — | — | | 20 | M.O.V. |
| QS95/10 | VR | — | — | 95 | — | 110 | — | 2 | 10 | — | — | — | | 34 | M.O.V. |
| QS150/15 | VR | — | — | 150 | — | 177 | — | 2 | 15 | — | — | — | | 34 | M.O.V. |
| SM150-30 | VR | — | — | 150 | — | 185 | — | 5 | 30 | — | — | — | | 20 | European |
| TXM100 | Relay | 6·3 | 0·6 | 400v. Peak | | — | — | — | — | — | — | — | | 22 | European |
| 305 | CR | — | — | — | 0·3 | — | 40–90 | — | — | — | — | — | E.Sw. | — | Osram |
| OE3 | VR | — | — | 85 | — | 125 | — | 1 | 8 | — | — | — | B8G | 35 | U.S.A. |
| QS105/45 | VR | — | — | 105 | — | 150 | — | 5 | 45 | — | — | — | | 36 | M.O.V. |
| QS150/45 | VR | — | — | 150 | — | 180 | — | 5 | 45 | — | — | — | | 36 | M.O.V. |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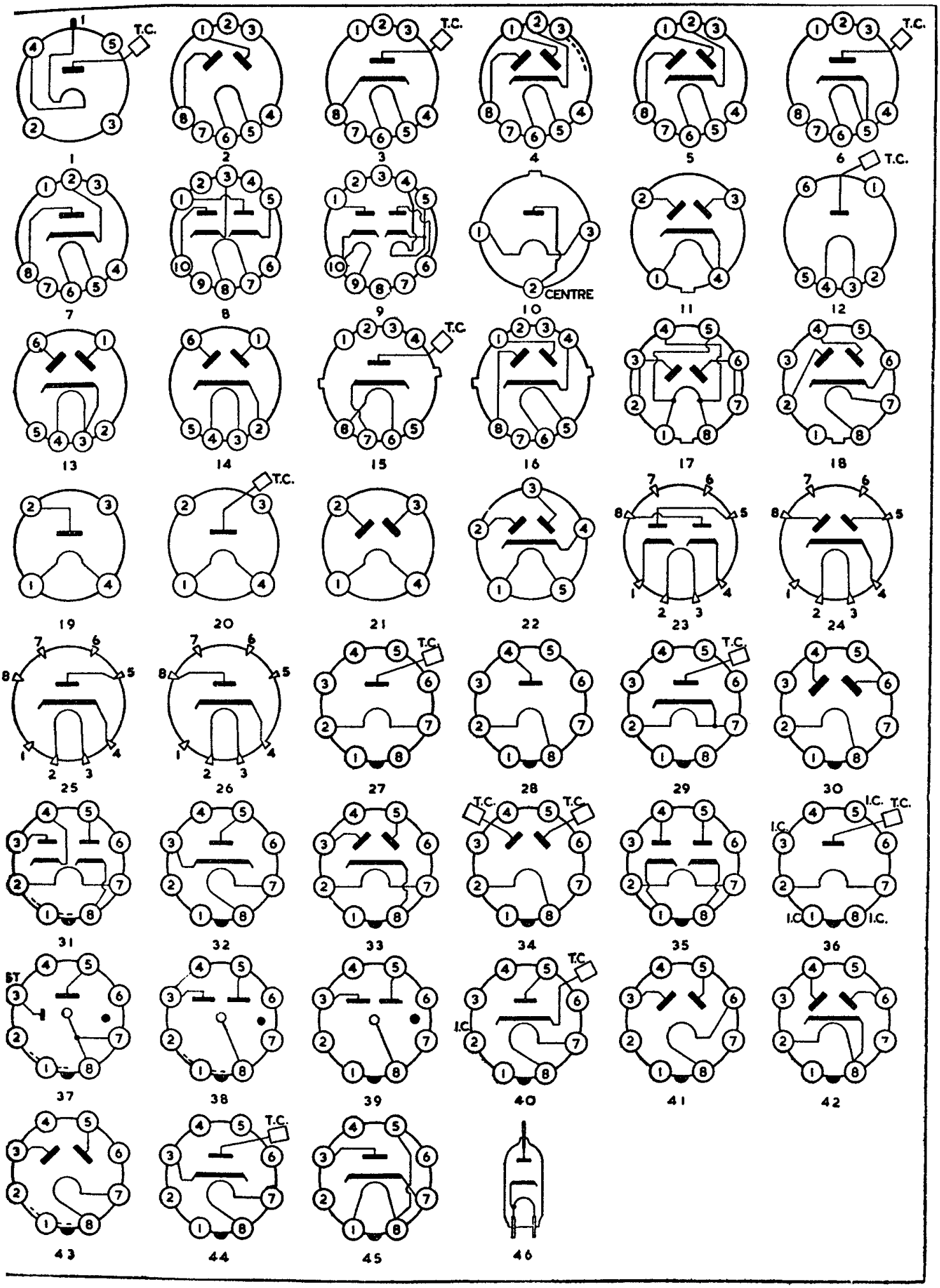
# RECTIFIERS

| Type | FILAMENT or HEATER | | MAX. VOLTS PER ANODE (RMS) | MAX. I/mA | MAXIMUM INVERSE PEAK VOLTS | MAXIMUM RESERVOIR CAPACITANCE (50 c/s) | MINIMUM SERIES RESISTANCE Ω | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | | | | | | Type | Ref. | |
| 6W2 | 6·3 | 0·08 | 9000 | 5·0 | 25000 | — | — | B2A | 46 | Emitron |
| 6X2 | 6·3 | 0·09 | 5000 | 3·0 | 17000 | 0·1 | 100000 | | 46 | U.S.A. |
| U43 | 6·3 | 0·09 | — | — | 17000 | — | — | | 46 | Osram |
| U151 | 6·3 | 0·09 | 5000 | 3·0 | 17000 | 0·1 | 100000 | | 46 | Marconi |
| LG17 | 2·0 | 3·0 | 500 | 200·0 | — | — | — | | 10 | European |
| 5934 | 2·5 | 6·0 | — | 25·0 | 20000 | — | — | BC4 | 1 | U.S.A. |
| 5695 | 2·5 | 3·0 | — | 150·0 | 5000 | — | — | UX4 | 19 | U.S.A. |
| 5825 | 1·6 | 1·25 | — | 2·0 | 60000 | — | — | | 20 | U.S.A. |
| CK1006 | 1·75 | 2·0 | — | 200·0 | 1600 | — | — | | 21 | U.S.A. |
| CK1012 | 1·75 | 2·0 | — | 300·0 | 1200 | — | — | | 21 | U.S.A. |
| 6AW4 | 6·3 | 0·6 | 450 | 60·0 | 1250 | — | — | UX5 | 22 | European |
| CY2 | 30·0 | 0·2 | 250 | 120·0 | — | 32 | 125 | P | 23 | European |
| EZ1 | 6·3 | 0·5 | 250 | 50·0 | — | — | — | | 24 | European |
| FZ1 | 13·0 | 0·25 | 250 | 50·0 | — | — | — | | 24 | European |
| UY2 | 26·0 | 0·1 | 250 | 45·0 | — | — | — | | 25 | European |
| UY3 | 50·0 | 0·1 | 250 | 140·0 | — | — | — | | 26 | European |
| UY4 | 35·0 | 0·1 | 250 | 55·0 | — | — | — | | 26 | European |
| VY1 | 55·0 | 0·05 | 250 | 60·0 | — | — | — | | 26 | European |
| VY2 | 30·0 | 0·05 | 250 | 20·0 | — | — | — | | 25 | European |
| VY2N | 30·0 | 0·05 | 250 | 30·0 | — | — | — | | 25 | European |
| RG2·4D10 | 2·4 | 0·15 | 700 | 5·0 | — | — | — | | 13 | European |
| RG12D60 | 12·6 | 0·2 | 300 | 60·0 | — | — | — | | 14 | European |
| 2V3 | 2·5 | 5·0 | 5500 | 2·0 | 16500 | — | — | I.O. | 27 | U.S.A. |
| 2W3 | 2·5 | 1·5 | 350 | 55·0 | — | — | — | | 28 | U.S.A. |
| 2X3 | 2·5 | 2·0 | 500 | 125·0 | — | — | — | | 28 | U.S.A. |
| 3B26 | 2·5 | 4·75 | — | 20·0 | 15000 | — | — | | 29 | U.S.A. |
| 5AX4 | 5·0 | 2·5 | 350 | 175·0 | 1400 | — | — | | 30 | U.S.A. |
| 6AW5 | 6·3 | 0·6 | 450 | 70·0 | 1250 | — | — | | 31 | U.S.A. |
| 6AX4 | 6·3 | 1·2 | — | 125·0 | 4000 | TV Damper Diode | | | 32 | U.S.A. |
| 6AX5 | 6·3 | 1·2 | 350 | 125·0 | 1250 | — | 50 | | 33 | U.S.A. |
| 6AX6 | 6·3 | 2·5 | 350 | 250·0 | 1250 | — | 145 | | 31 | U.S.A. |
| 6BY5 | 6·3 | 1·6 | 375 | 175·0 | 1400 | — | 100 | | 35 | U.S.A. |
| 6W4 | 6·3 | 1·2 | 350 | 125·0 | 1250 | 20 | — | | 32 | U.S.A. |
| 6Z6 | 6·3 | 0·5 | 350 | 50·0 | — | — | — | | 31 | U.S.A. |
| 12AX4 | 12·6 | 0·6 | — | 125·0 | 4000 | — | — | | 32 | U.S.A. |
| 19H4 | 2·5 | 1·7 | — | 5·0 | 20000 | 0·5 | 18000 | | 27 | Mazda |
| 25W4 | 25·0 | 0·3 | 350 | 125·0 | 1250 | 20 | — | | 32 | U.S.A. |
| 25X6 | 25·0 | 0·15 | 125 | 60·0 | — | — | — | | 31 | U.S.A. |
| 50AX6 | 50·0 | 0·3 | 350 | 250·0 | 1250 | — | — | | 31 | U.S.A. |
| 5838 | 12·6 | 0·6 | 350 | 55·0 | 1375 | — | 150 | | 33 | U.S.A. |
| 5839 | 26·5 | 0·285 | 350 | 55·0 | 1375 | — | 150 | | 33 | U.S.A. |
| 5852 | 6·3 | 1·2 | 350 | 55·0 | 1375 | — | 150 | | 33 | U.S.A. |
| 5931 | 5·0 | 3·0 | 450 | 225·0 | 1550 | 40 | 75 | | 30 | U.S.A. |
| 6004 | 5·0 | 3·0 | — | 300·0 | 1400 | — | — | | 34 | U.S.A. |
| 6215 | 1·25 | 0·2 | — | 1·0 | 18000 | — | — | | 36 | U.S.A. |
| 8016 | 1·25 | 0·2 | — | 2·0 | 40000 | — | — | | 29 | U.S.A. |
| CK1003 | — | — | — | 110·0 | 880 | | | | 39 | U.S.A. |
| CK1005 | 6·3 | 0·1 | 160 | 70·0 | 450 | — | — | | 41 | U.S.A. |
| CK1007 | 1·0 | 1·2 | 285 | 110·0 | 980 | — | — | | 43 | U.S.A. |
| CK1024 | — | — | — | 175·0 | 1000 | | | | 39 | U.S.A. |
| DY30 | 1·25 | 0·2 | — | 2·0 | 40000 | — | — | | 27 | European |
| EZ33 | 6·3 | 0·65 | 400 | 100·0 | — | — | — | | 33 | European |
| GZ30 | 5·0 | 2·0 | 350 | 125·0 | 1400 | 40 | 50 | | 42 | European |
| GZ34 | 5·0 | 1·9 | 350 | 250·0 | 1500 | 60 | 150 | | 42 | European |
| OY4 | — | — | 117 | 75·0 | 300 | — | — | | 37 | U.S.A. |
| OZ4-A | — | — | — | 110·0 | 880 | — | — | | 38 | U.S.A. |
| U41 | 1·25 | 0·2 | — | 2·0 | 35000 | — | — | | 36 | M.O.V. |
| U282 | 28·0 | 0·2 | — | 120·0 | — | — | — | | 44 | Mazda |
| U301 | 30·0 | 0·2 | — | 150·0 | 4500 | TV Damper Diode | | | 40 | Mazda |
| UY1N | 50·0 | 0·1 | 250 | 140·0 | — | 60 | 175 | | 45 | European |
| LG3 | 12·6 | 0·18 | 5000 | 2·0 | — | — | — | W8 | 15 | European |
| RG12D300 | 12·6 | 0·8 | 500 | 300·0 | — | — | — | | 16 | European |
| LG5 | 1·2 | 0·5 | 300 | 40·0 | — | — | — | WA8 | 17 | European |
| AZ11 | 4·0 | 1·1 | 500 | 70·0 | — | 32 | — | G8A | 2 | European |
| AZ12 | 4·0 | 2·3 | 500 | 120·0 | — | 60 | — | | 2 | European |
| EA111 | 6·3 | 1·4 | 250 | 80·0 | — | — | — | | 3 | European |
| EZ11 | 6·3 | 0·29 | 250 | 60·0 | — | — | 600 | | 4 | European |
| EZ12 | 6·3 | 0·85 | 500 | 100·0 | — | — | 300 | | 5 | European |
| RFG5 | 6·3 | 0·2 | 5500 | 2·0 | — | — | — | | 6 | European |
| UY11 | 50·0 | 0·1 | 250 | 140·0 | — | 60 | 175 | | 7 | European |
| EYY53 | 6·3 | 1·4 | 400 | 150·0 | — | — | — | G10A | 9 | European |
| EZ150 | 6·3 | 3·0 | 500 | 560·0 | — | 32 | — | | 8 | European |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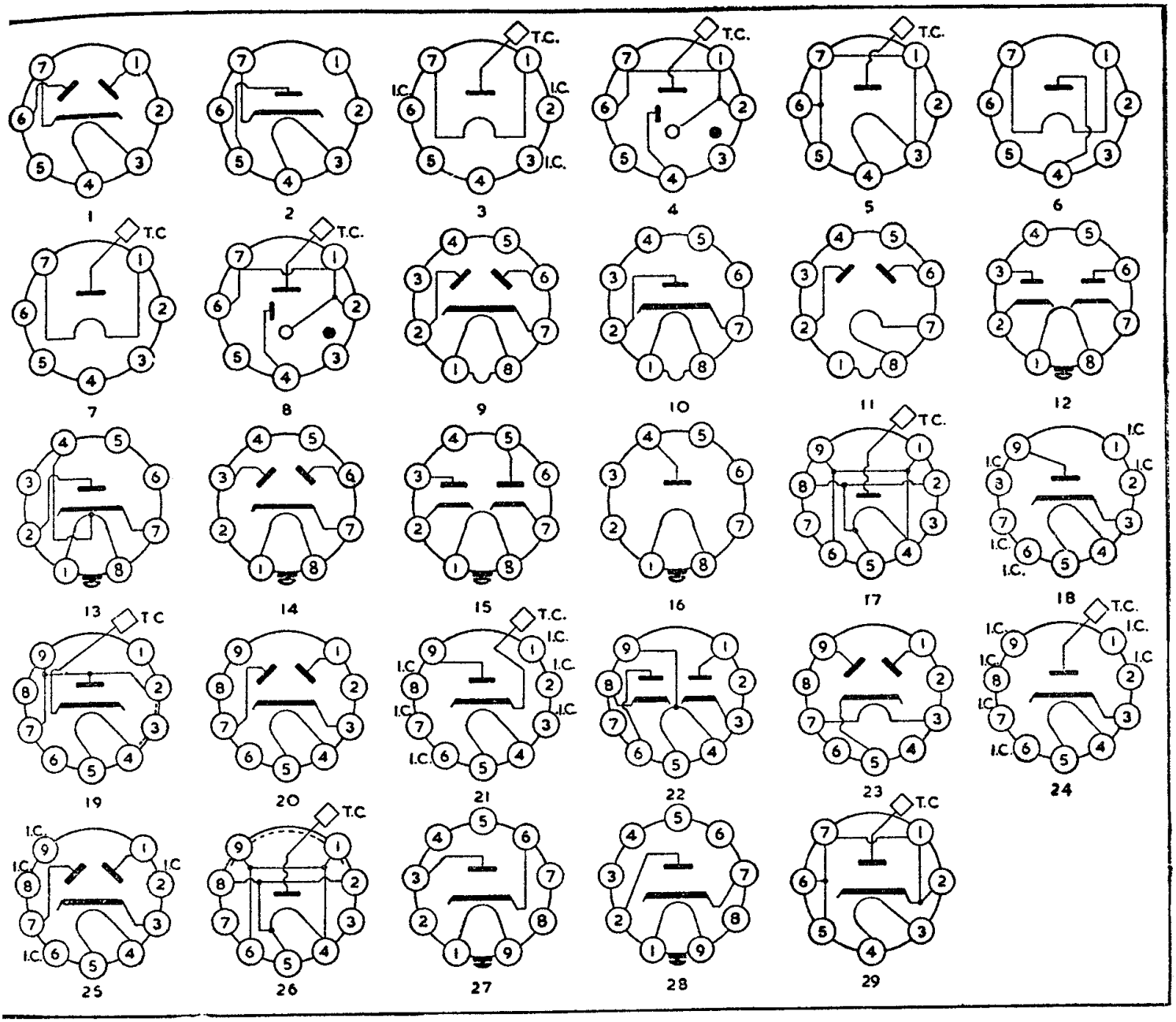
## RECTIFIERS—*Contd.*

| Type | FILAMENT or HEATER | | MAX. VOLTS PER ANODE (RMS) | MAX. I/mA | MAXIMUM INVERSE PEAK VOLTS | MAXIMUM RESERVOIR CAPACITANCE (50 c/s) | MINIMUM SERIES RESISTANCE Ω | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | | | | | | Type | Ref | |
| 6AV4 | 6·3 | 0·95 | 325 | 90·0 | — | — | 150 | B7G | 1 | Mullard |
| 12X4 | 12·6 | 0·3 | 325 | 70·0 | — | — | 150 | | 1 | U.S.A. |
| 19G6 | 4·0 | 0·5 | 2500 | 30·0 | 7000 | 1·0 | 5400 | | 29 | Mazda |
| 35X4 | 35·0 | 0·15 | 210 | 100·0 | 700 | 40 | 100 | | 2 | U.S.A. |
| 1654 | 1·4 | 0·05 | 2500 | 1·0 | 7000 | — | — | | 3 | U.S.A. |
| 5517 | — | — | — | 12·0 | 2800 | — | — | | 8 | U.S.A. |
| 6063 | 6·3 | 0·6 | 325 | 70·0 | — | — | 150 | | 1 | Am.-Brit. |
| 6174 | — | — | 1200 | 3·0 | 2800 | — | — | | 4 | U.S.A. |
| CK1013 | — | — | — | 12·0 | 2800 | — | — | | 4 | U.S.A. |
| CK1028 | 6·3 | 0·55 | — | 100·0 | 2500 | — | — | | 5 | U.S.A. |
| CK1091 | 1·4 | 0·11 | 1000 | 1·5 | — | — | — | | 6 | U.S.A. |
| EZ90 | 6·3 | 0·6 | 325 | 70·0 | — | — | 100 | | 1 | European |
| QA2407 | 6·3 | 0·7 | 350 | 70·0 | 1250 | — | — | | 1 | Osram |
| V2M70 | 6·3 | 0·6 | 325 | 70·0 | — | — | 150 | | 1 | European |
| VM1 | 1·4 | 0·05 | — | 1·0 | 4300 | — | — | | 7 | European |
| 66KU | 6·3 | 0·6 | 350 | 90·0 | — | 50 | 300 | B8A | 9 | Cossor |
| AZ41 | 4·0 | 0·75 | 500 | 60·0 | — | — | — | | 11 | European |
| GZ40 | 5·0 | 0·75 | 350 | 90·0 | — | — | — | | 9 | European |
| GZ41 | 5·0 | 0·75 | 355 | 70·0 | — | — | — | | 9 | European |
| UY42 | 31·0 | 0·1 | 110 | 100·0 | — | 50 | | | 10 | European |
| V41 | 4·0 | 0·75 | 500 | 60·0 | — | — | — | | 11 | European |
| V51 | 5·0 | 0·75 | 350 | 90·0 | — | — | — | | 9 | European |
| V61 | 6·3 | 0·6 | 350 | 90·0 | — | 50 | 300 | | 9 | European |
| 7X6 | 6·3 | 1·2 | 235 | 75·0 | 700 | — | 100 | B8G | 12 | U.S.A. |
| 35Y4 | 35·0 | 0·15 | 235 | 100·0 | 700 | — | — | | 13 | U.S.A. |
| 1274 | 6·3 | 0·5 | 350 | 70·0 | 1250 | — | 150 | | 14 | U.S.A. |
| EZ22 | 6·3 | 0·9 | 450 | 100·0 | — | — | — | | 14 | European |
| LG6 | 12·6 | 0·63 | 400 | 100·0 | — | — | — | | 15 | European |
| PY71 | 21·5 | 0·3 | — | 140·0 | 6000 | TV Damper Diode | | | 16 | European |
| 1AX2 | 1·4 | 0·65 | — | 1·0 | 25000 | — | — | B9A | 17 | U.S.A. |
| 1X2 | 1·25 | 0·2 | — | 1·0 | 15000 | — | — | | 17 | U.S.A. |
| 1X2A | 1·25 | 0·2 | — | 1·1 | 20000 | — | — | | 17 | U.S.A. |
| 1X2B | 1·25 | 0·2 | — | 1·1 | 22000 | — | — | | 17 | U.S.A. |
| 6U3 | 6·3 | 0·9 | 220 | 180·0 | 4000 | TV Damper Diode | | | 18 | U.S.A. |
| 6V3 | 6·3 | 1·75 | 350 | 125·0 | 6000 | 20 | 145 | | 19 | U.S.A. |
| 6V4 | 6·3 | 0·6 | 350 | 90·0 | — | 50 | 300 | | 20 | U.S.A. |
| 17Z3 | 17·0 | 0·3 | — | 150·0 | 4500 | TV Damper Diode | | | 21 | U.S.A. |
| 19BD | 19·0 | 0·3 | — | 180·0 | 4000 | TV Damper Diode | | | 18 | Cossor |
| 19X3 | 19·0 | 0·3 | — | 180·0 | 4000 | TV Damper Diode | | | 18 | U.S.A. |
| 19Y3 | 19·0 | 0·3 | 250 | 180·0 | 700 | 60 | 100 | | 18 | U.S.A. |
| 26Z5W | 26·5 | 0·2 | 450 | 100·0 | 1250 | — | — | | 22 | U.S.A. |
| 5993 | 6·3 | 0·8 | 300 | 50·0 | 1250 | — | 150 | | 23 | U.S.A. |
| 6157 | 6·3 | 0·8 | 500 | 75·0 | 1400 | 32 | 50 | | 24 | Brimar |
| DY80 | 1·25 | 0·2 | — | 1·0 | 15000 | — | — | | 17 | European |
| EY80 | 6·3 | 0·9 | 220 | 180·0 | 4000 | TV Damper Diode | | | 18 | European |
| EY84 | 6·3 | 1·0 | 625 | 125·0 | 2000 | 24 | 250 | | 24 | Mullard |
| EZ80 | 6·3 | 0·6 | 350 | 90·0 | — | 50 | 300 | | 25 | European |
| PY81 | 17·0 | 0·3 | — | 150·0 | 4500 | TV Damper Diode | | | 21 | Mulld. Eu |
| R17 | 6·3 | 0·8 | 500 | 75·0 | 1450 | 32 | 50 | | 24 | Brimar |
| R18 | 6·3 | 1·1 | 625 | 125·0 | 1800 | 8 | 100 | | 24 | Brimar |
| R19 | 1·25 | 0·2 | — | 2·0 | 25000 | — | — | | 26 | Brimar |
| U152 | 19·0 | 0·3 | — | 180·0 | 4000 | TV Damper Diode | | | 18 | M.O.V. |
| U309 | 20·0 | 0·3 | — | 170·0 | 4000 | TV Damper Diode | | | 18 | M.O.V. |
| U319 | 20·0 | 0·3 | 250 | 170·0 | 700 | 12 | — | | 18 | M.O.V. |
| U329 | 25·0 | 0·3 | — | 120·0 | 7000 | TV Damper Diode | | | 21 | M.O.V. |
| CY 21 | 25·0 | 0·2 | 250 | 100·0 | — | — | — | B9G | 27 | European |
| EW60 | 6·3 | 2·3 | 500 | 400·0 | — | — | — | | 28 | European |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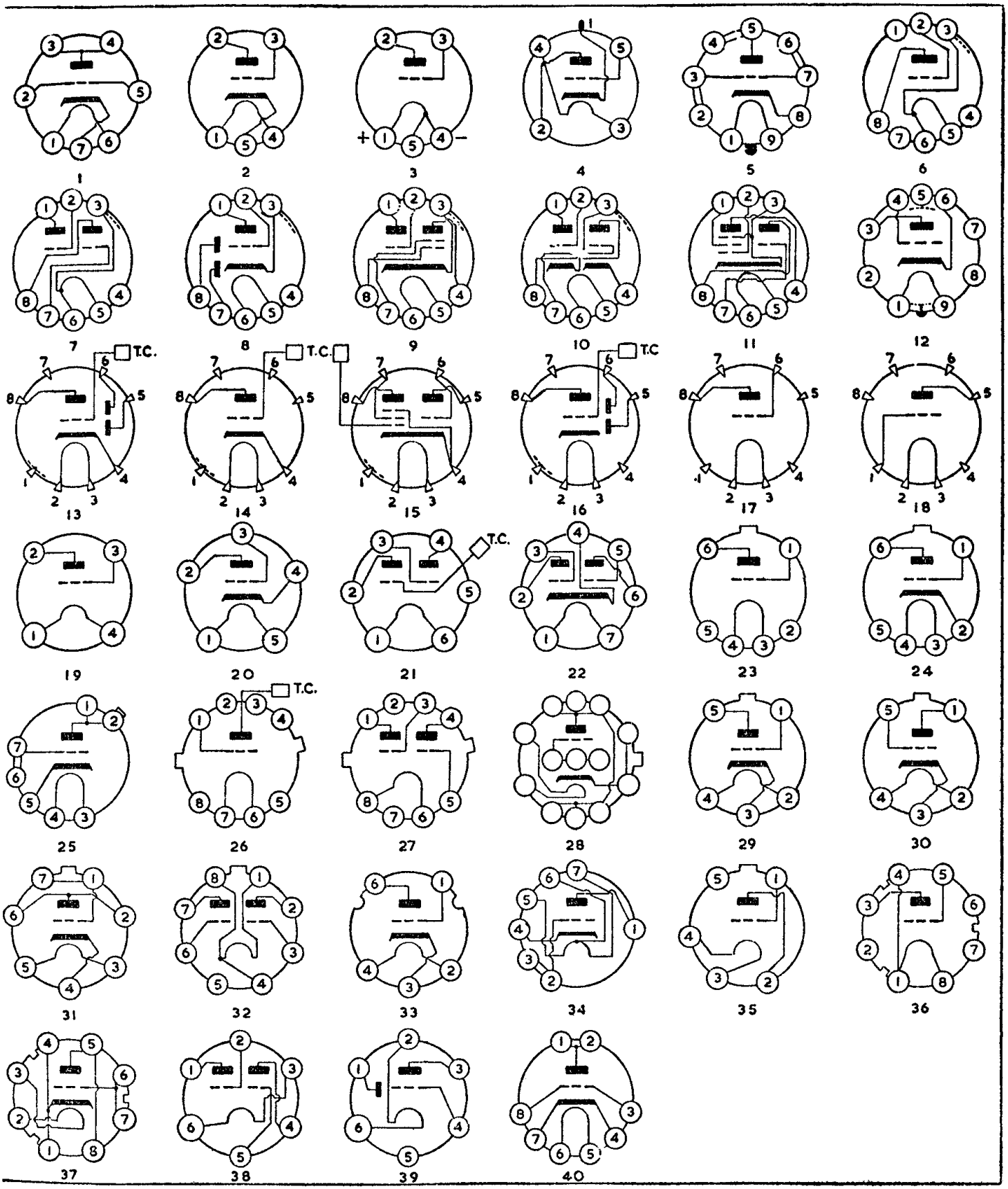
# TRIODE AMPLIFIERS

| Type | FILAMENT or HEATER | | ANODE | | Negative Grid Volts | $r_a$ kΩ | gm mA/V | Amp Factor | Rk Ω | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | | | | | | Type | Ref. | |
| 6F4 | 6·3 | 0·225 | 80 | 13·0 | — | 2·9 | 5·8 | 17 | 150 | AcornD | 1 | U.S.A. |
| 6L4 | 6·3 | 0·225 | 80 | 9·5 | — | 4·4 | 6·4 | 28 | 150 | | 1 | U.S.A. |
| 955 | 6·3 | 0·15 | 250 | 6·3 | 7·0 | 11·4 | 2·2 | 25 | — | Acorn B | 2 | U.S.A. |
| 957 | 1·25 | 0·05 | 135 | 2·0 | 5·0 | 20·8 | 0·65 | 13·5 | — | | 3 | U.S.A. |
| 958/A | 1·25 | 0·1 | 135 | 3·0 | 7·5 | 10·0 | 1·2 | 12 | — | | 3 | U.S.A. |
| 1650 | 6·3 | 0·15 | 250 | 6·3 | 7·0 | 11·4 | 2·2 | 25 | — | | 2 | U.S.A. |
| 4671 | 6·3 | 0·15 | 180 | 4·5 | 5·0 | 12·5 | 2·0 | 25 | — | | 2 | European |
| 5731 | 6·3 | 0·15 | 250 | 6·3 | 7·0 | 11·4 | 2·2 | 25 | — | | 2 | U.S.A. |
| D1C | 1·25 | 0·05 | 135 | 2·0 | 5 0 | 25·0 | 0·65 | 17·5 | — | | 3 | European |
| D2C | 1·25 | 0·1 | 135 | 3·0 | 7·5 | 10·0 | 1·2 | 12 | — | | 3 | European |
| DS310 | 2·0 | 0·75 | 100 | 24·0 | 0 | 3·3 | 6·0 | 20 | — | | 2 | European |
| DS311 | 12·6 | 0·11 | 100 | 24·0 | 0 | 3·3 | 6·0 | 20 | — | | 2 | European |
| DS320 | 5·0 | 0·7 | 200 | 12·0 | 3·0 | 5·0 | 6·0 | 30 | — | | 2 | European |
| E1C | 6·3 | 0·15 | 180 | 4·5 | 5·0 | 12·5 | 2·0 | 25 | — | | 2 | European |
| RL12T15 | 12·6 | 0·55 | 250 | 50·0 | 3·0 | — | 6·0 | — | — | BC4 | 4 | European |
| DC11 | 1·25 | 0·025 | 120 | 2·0 | 4·5 | 15·0 | 1·0 | 15 | — | G8A | 6 | European |
| DDD11 | 1·2 | 0·1 | 120 | 1·5 | 4·5 | 20·0 | 0·85 | 17 | — | | 7 | European |
| EBC11 | 6·3 | 0·2 | 250 | 5·0 | 8·0 | 11·5 | 2·2 | 26·3 | 1600 | | 8 | European |
| ECL11 | 6·3 | 1·0 | 250 | 2·0 | 2·5 | 35·0 | 2·0 | 70 | — | | 9 | European |
| EDD111 | 6·3 | 0·4 | 250 | 9·0 | 8·0 | 8·0 | 2·3 | 18·4 | — | | 10 | European |
| UCF12 | 20·0 | 0·1 | 100 | — | 0 | — | 3·0 | — | — | | 11 | European |
| UCL11 | 60·0 | 0·1 | 200 | 2·0 | 2·0 | — | 2·0 | — | — | | 9 | European |
| VCL11 | 90·0 | 0·05 | 200 | 0·85 | — | — | — | 65 | — | | 9 | European |
| LD1 | 12·6 | 0·1 | 100 | 10·0 | 4·0 | 3·35 | 3·0 | 10 | — | WA5 | 29 | European |
| LD2 | 12·6 | 0·18 | 200 | 30·0 | 4·0 | 2·7 | 9·25 | 25 | — | | 29 | European |
| LD5 | 12·6 | 0·24 | 380 | 100·0 | 30·0 | 2·0 | 10·0 | 20 | — | | 30 | European |
| 5893 | 6·3 | 0·33 | 200 | 25·0 | — | 4·5 | 6·0 | 27 | 100 | Pencil | — | U.S.A. |
| DC41W | 1·2 | 0·025 | 90 | 2·0 | 4·0 | — | 0·85 | — | — | WC8 | 36 | European |
| RD12Te | 12·6 | 0·22 | 100 | 35·0 | — | — | 9·0 | — | — | | 37 | European |
| RL2·4T1 | 2·4 | 0·17 | 130 | 9·2 | 3·0 | — | 2·4 | — | — | W6 | 23 | European |
| RL12T1 | 12·6 | 0·07 | 75 | 10·0 | 1·0 | — | 3·4 | — | — | | 24 | European |
| RL12T2 | 12·6 | 0·17 | 200 | 10·0 | 7·5 | 6·0 | 2·0 | 12 | — | | 24 | European |
| SD1A | 1·9 | 0·5 | 75 | 10·0 | 1·0 | 4·7 | 3·4 | 16·0 | — | | 24 | European |
| LS30 | 12·6 | 0·28 | 700 | 100·0 | 55·0 | — | 5·5 | — | — | WA7 | 31 | European |
| RD2·4Ta | 2·4 | 0·4 | 100 | 24·0 | — | — | 6·0 | — | — | WB5 | 33 | European |
| RD12Ta | 12·6 | 0·08 | 100 | 24·0 | — | — | 6·0 | — | — | | 33 | European |
| LV12 | 1·2 | 0·1 | 45 | 1·2 | 2·7 | — | 0·65 | — | — | WA8 | 32 | European |
| LV18 | 0·6 | 0·3 | 6000 | 0·06 | 150·0 | — | 0·015 | — | — | W8 | 26 | European |
| RL2·4T4 | 2·4 | 0·25 | 150 | 3·0 | 6·0 | — | 2·0 | — | — | | 27 | European |
| LS2 | 1·9 | 0·2 | 150 | 30·0 | +3·0 | — | 2·0 | — | — | WD6 | 38 | European |
| LS3 | 1·9 | 0·09 | 80 | 1·5 | 1·5 | — | 0·8 | — | — | | 39 | European |
| LD15 | 12·6 | 0·24 | 380 | 100·0 | 30·0 | 2·0 | 10·0 | 20 | — | W7 | 25 | European |
| LV13 | 12·6 | 1·4 | 250 | 160·0 | 7·0 | — | 30·0 | — | — | WB7 | 34 | European |
| RD12Tf | 12·6 | 0·6 | 400 | 100·0 | — | — | 17·0 | — | — | W13 | 28 | European |
| RL2T2 | 1·9 | 0·29 | 130 | 15·0 | 1·5 | 5·0 | 2·4 | 12 | — | WC5 | 35 | European |
| RL12T75 | 12·6 | 2·3 | 500 | 100·0 | 26·0 | — | 18·0 | — | — | WF8 | 40 | European |
| 12A | 5·0 | 0·25 | 180 | 7·7 | 13·5 | 4·7 | 1·8 | 8·5 | — | UX4 | 19 | U.S.A. |
| 26 | 1·5 | 1·05 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 19 | U.S.A. |
| 40 | 5·0 | 0·25 | 180 | 0·2 | 3·0 | 150·0 | 0·2 | 30 | — | | 19 | U.S.A. |
| 37 | 6·3 | 0·3 | 250 | 7·5 | 18·0 | 8·4 | 1·1 | 9·2 | — | UX5 | 20 | U.S.A. |
| 56 | 2·5 | 1·0 | 250 | 5·0 | 13·5 | 9·5 | 1·45 | 13·8 | — | | 20 | U.S.A. |
| 5674 | 3·8 | 0·09 | 5·0 | 0·02 | 3·5 | Electrometer | | | | UX6 | 21 | U.S.A. |
| 6A6 | 6·3 | 0·8 | 250 | 6·0 | 5·0 | 11·3 | 3·1 | 35 | — | UX7 | 22 | U.S.A. |
| 5608A | 2·5 | 2·0 | 300 | 6·0 | 6·0 | 13·0 | 2·45 | 32 | — | | 22 | U.S.A. |
| EC54 | 6·3 | 0·45 | 250 | 12·0 | — | 11·1 | 9·0 | 100 | — | B9G | 5 | Mul.-Eupn. |
| 5861 | 6·3 | 0·4 | 250 | 20·0 | 3·5 | 5·0 | 6·0 | 30 | — | Disc Seal | — | U.S.A. |
| EC55 | 6·3 | 0·4 | 250 | 20·0 | 3·5 | 5·0 | 6·0 | 30 | — | | — | European |
| EC21 | 6·3 | 0·2 | 250 | 5·0 | 4·0 | 17·0 | 2·7 | 45 | 800 | G9 | 12 | European |
| ABC1 | 4·0 | 0·65 | 250 | 4·0 | 7·0 | 13·5 | 2·0 | 27 | 1750 | P | 13 | European |
| AC2 | 4·0 | 0·65 | 250 | 6·0 | 5·5 | 12·0 | 2·5 | 30 | 900 | | 14 | European |
| CC1 | 13·0 | 0·2 | 200 | 2·6 | 3·7 | 25·0 | 2·0 | 50 | — | | 14 | European |
| CC2 | 13·0 | 0·2 | 200 | 6·0 | 4·0 | 12·0 | 2·5 | 30 | 650 | | 14 | European |
| EBC1 | 6·3 | 0·4 | 250 | 4·0 | 7·0 | 13·5 | 2·0 | 27 | 1750 | | 13 | European |
| EBC30 | 6·3 | 0·2 | 250 | 5·0 | 5·5 | 15·0 | 2·0 | 30 | 1100 | | 13 | European |
| EC2 | 6·3 | 0·4 | 250 | 6·0 | 5·5 | 12·0 | 3·5 | 42 | 925 | | 14 | European |
| ECF1 | 6·3 | 0·2 | 150 | 8·0 | 3·0 | 9·0 | 2·2 | 20 | — | | 15 | European |
| KBC1 | 2·0 | 0·1 | 135 | 2·5 | 4·5 | 16·0 | 1·0 | 16 | — | | 16 | European |
| KC1 | 2·0 | 0·065 | 135 | 1·2 | 1·5 | 40·0 | 0·6 | 24 | — | | 17 | European |
| KC3 | 2·0 | 0·21 | 135 | 3·0 | 2·8 | 12·0 | 2·5 | 30 | — | | 17 | European |
| KC4 | 2·0 | 0·1 | 135 | 2·2 | 1·5 | 21·5 | 1·4 | 30 | — | | 17 | European |
| MC1 | 1·9 | 0·19 | 100 | 4·0 | 1·5 | 11·0 | 0·8 | 8·8 | — | | 18 | European |
| VC1 | 55·0 | 0·05 | 200 | 6·0 | 2·0 | 14·5 | 3·0 | 43·5 | — | | 14 | European |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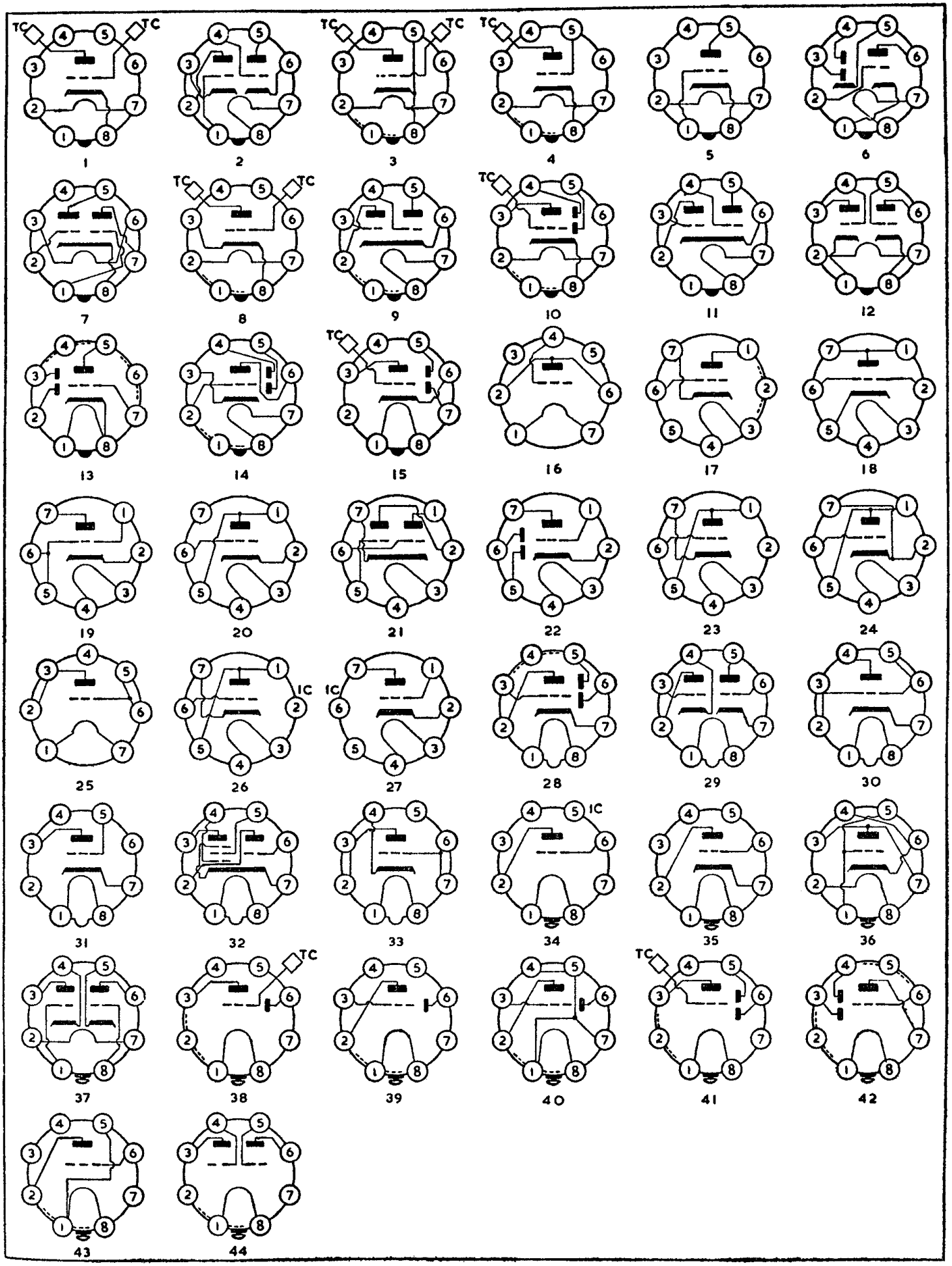
# TRIODE AMPLIFIERS—*Contd.*

| Type | FILAMENT or HEATER | | ANODE | | Negative Grid Volts | ra kΩ | gm mA/V | Amp Factor | Rk Ω | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | | | | | | Type | Ref. | |
| 2C22 | 6·3 | 0·3 | 300 | 11·0 | 10·5 | 6·6 | 3·0 | 20 | — | I.O. | 1 | U.S.A. |
| 2C35 | 6·3 | 0·3 | 8000 | 5·0 | Voltage | Shunt Re | gulator | | | | 4 | U.S.A. |
| 2C44 | 6·3 | 0·75 | 250 | 25·0 | — | — | 7·0 | — | 100 | | 3 | U.S.A. |
| 2C52 | 12·6 | 0·3 | 250 | 1·3 | 2·0 | 55·5 | 1·9 | 100 | — | | 2 | U.S.A |
| 6AH4 | 6·3 | 0·75 | 250 | 30·0 | 23·0 | 1·78 | 4·5 | 8 | — | | 5 | U.S.A |
| 6AW7 | 6·3 | 0·3 | 100 | 1·4 | 0 | 66·6 | 1·2 | 80 | — | | 6 | U.S.A. |
| 6BL7 | 6·3 | 1·5 | 250 | 40·0 | 9·0 | 2·15 | 7·0 | 15 | — | | 2 | U.S.A. |
| 6BX7 | 6·3 | 1·5 | 250 | 42·0 | — | 1·3 | 7·6 | 10 | 390 | | 7 | U.S.A. |
| 13D1 | 25·0 | 0·15 | 250 | 9·0 | 8·0 | 7·7 | 2·6 | 20 | 890 | | 2 | Brimar |
| 446A/B | 6·3 | 0·75 | 250 | 15·0 | — | 10·0 | 4·5 | 45 | 200 | | 8 | U.S.A. |
| 464A | 6·3 | 0·75 | 250 | 25·0 | — | — | 7·0 | — | 100 | | 3 | U.S.A. |
| 1633 | 25·0 | 0·15 | 250 | 9·0 | 8·0 | 7·7 | 2·6 | 20 | 890 | | 2 | U.S.A. |
| 1634 | 12·6 | 0·15 | 250 | 2·0 | 2·0 | 53·0 | 1·3 | 70 | 1000 | | 9 | U.S.A. |
| 1639 | 6·3 | 0·2 | 250 | 5·0 | 5·5 | 15·0 | 2·0 | 30 | 1100 | | 10 | U.S.A. |
| 1655 | 6·3 | 0·3 | 250 | 2·0 | 2·0 | 53·0 | 1·3 | 70 | 1000 | | 11 | U.S.A. |
| 5691 | 6·3 | 0·6 | 250 | 2·3 | 2·0 | 44·0 | 1·6 | 70 | — | | 2 | U.S.A. |
| 5692 | 6·3 | 0·6 | 250 | 6·5 | 9·0 | 9·1 | 2·2 | 20 | — | | 2 | U.S.A |
| 5694 | 6·3 | 0·8 | 294 | 7·0 | 6·0 | 11·0 | 3·2 | 35 | — | | 12 | U.S.A. |
| 5998 | 6·3 | 2·4 | 110 | 100·0 | — | 0·3 | 15·5 | 5·4 | — | | 2 | U.S.A. |
| 6042 | 25·0 | 0·15 | 250 | 9·0 | 8·0 | 7·7 | 2·6 | 20 | 890 | | 2 | Brimar |
| 6080 | 6·3 | 2·5 | 135 | 125·0 | — | 0·28 | 7·0 | 2 | 250 | | 2 | U.S.A. |
| 6082 | 26·5 | 0·6 | 135 | 125·0 | — | 0·28 | 7·0 | 2 | 250 | | 2 | U.S.A. |
| 6113 | 6·3 | 0·8 | 250 | 2·3 | 2·0 | 44·0 | 1·6 | 70 | — | | 2 | U.S.A. |
| 6180 | 6·3 | 0·6 | 250 | 6·5 | 9·0 | 9·1 | 2·2 | 20 | — | | 2 | Am.-Brit. |
| EBC51 | 6·3 | 0·55 | 250 | 10·0 | 7·5 | 6·0 | 4·0 | 24 | — | | 13 | European |
| OBC3 | 12·6 | 0·15 | 250 | 0·9 | 2·0 | 91·0 | 1·1 | 100 | 2200 | | 14 | European |
| QA2408 | 6·3 | 0·6 | 250 | 9·0 | 8·0 | 7·7 | 2·6 | 20 | 890 | | 2 | Osram |
| UBC1 | 12·6 | 0·1 | 200 | 3·5 | 1·7 | 33·0 | 2·0 | 66 | — | | 15 | European |
| 1C3 | 1·4 | 0·05 | 90 | 1·4 | 3·0 | 19·0 | 0·76 | 14·5 | — | B7G | 16 | U.S.A. |
| 6AB4 | 6·3 | 0·15 | 250 | 10·0 | 2·0 | 10·0 | 5·5 | 55 | — | | 17 | U.S.A. |
| 6AF4 | 6·3 | 0·225 | 80 | 16·0 | — | 2·27 | 6·6 | 15 | 150 | | 18 | U.S.A. |
| 6AN4 | 6·3 | 0·225 | 200 | 13·0 | — | 7·77 | 9·0 | 70 | 100 | | 18 | U.S.A. |
| 6J4 | 6·3 | 0·4 | 100 | 10·0 | — | 5·0 | 11·0 | 55 | 100 | | 19 | U.S.A. |
| 6T4 | 6·3 | 0·225 | 80 | 18·0 | — | 1·9 | 7·0 | 13 | 150 | | 18 | U.S.A. |
| 5610 | 6·3 | 0·15 | 90 | 17·0 | 1·5 | 3·5 | 4·0 | 14 | — | | 20 | U.S.A. |
| 5844 | 6·3 | 0·3 | 100 | 4·8 | — | 7·95 | 3·4 | 27 | 470 | | 21 | U.S.A. |
| 5920 | 6·3 | 0·4 | 100 | 8·5 | 1·5 | 5·4 | 5·6 | 30 | — | | 21 | U.S.A. |
| 5964 | 6·3 | 0·45 | 100 | 9·5 | 0 | 6·5 | 6·0 | 39 | 50 | | 21 | U.S.A. |
| 6066 | 6·3 | 0·3 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 22 | Am.-Brit. |
| 6135 | 6·3 | 0·175 | 250 | 10·5 | 8·5 | 7·7 | 2·2 | 17 | — | | 23 | U.S.A. |
| 9002 | 6·3 | 0·15 | 250 | 6·3 | 7·0 | 11·4 | 2·2 | 25 | — | | 24 | U.S.A. |
| A1714 | 6·3 | 0·55 | 150 | 10·0 | 2·0 | — | 8·0 | 35 | — | | 27 | Osram |
| ABC91 | 6·3 | 0·3 | 250 | 1·2 | 2·0 | 62·5 | 1·6 | 100 | — | | 22 | European |
| DC90 | 1·4 | 0·05 | 67·5 | 4·5 | 0 | 11·0 | 1·1 | 12 | — | | 25 | European |
| E90CC | 6·3 | 0·4 | 100 | 8·5 | 1·5 | 5·4 | 5·6 | 30 | — | | 21 | European |
| EBC90 | 6·3 | 0·3 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 22 | European |
| EBC91 | 6·3 | 0·3 | 250 | 1·2 | 2·0 | 62·5 | 1·6 | 100 | — | | 22 | European |
| EC90 | 6·3 | 0·15 | 250 | 10·5 | 8·5 | 7·7 | 2·2 | 17 | — | | 23 | European |
| EC92 | 6·3 | 0·15 | 250 | 10·0 | 2·0 | 12·0 | 5·0 | 60 | — | | 17 | European |
| HBC91 | 12·6 | 0·15 | 250 | 1·2 | 2·0 | 62·5 | 1·6 | 100 | — | | 22 | European |
| QA2401 | 6·3 | 0·15 | 250 | 10·5 | 8·5 | 7·7 | 2·2 | 17 | — | | 26 | Osram |
| T2M05 | 6·3 | 0·45 | 100 | 8·5 | 0·85 | 7·1 | 5·3 | 38 | — | | 21 | European |
| TM12 | 6·3 | 0·4 | 100 | 10·0 | 2·0 | 10·0 | 5·5 | 55 | — | | 19 | European |
| UC92 | 9·5 | 0·1 | 250 | 10·0 | 2·0 | 12·0 | 5·0 | 60 | — | | 17 | European |
| 62DDT | 6·3 | 0·23 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | B8A | 28 | Cossor |
| AA61 | 6·3 | 0·6 | 250 | 6·0 | 5·5 | 11·0 | 2·7 | 30 | 900 | | 29 | European |
| EC40 | 6·3 | 0·48 | 275 | 15·0 | 1·5 | 6·5 | 12·0 | 78 | — | | 30 | European |
| EC41 | 6·3 | 0·2 | 180 | 20·0 | — | 3·3 | 4·5 | 15 | — | | 31 | European |
| ECL113 | 6·3 | 0·6 | 250 | 0·6 | 1·5 | — | — | — | — | | 32 | European |
| ED111 | 6·3 | 0·45 | 200 | 40·0 | 5·0 | 2·3 | 8·0 | 18·4 | — | | 33 | European |
| 1LF3 | 1·4 | 0·05 | 90 | 4·5 | 0 | 11·2 | 1·3 | 14·5 | — | B8G | 34 | U.S.A. |
| 7B4 | 6·3 | 0·3 | 250 | 0·9 | 2·0 | 66·0 | 1·5 | 100 | — | | 35 | U.S.A. |
| 7E5 | 6·3 | 0·15 | 180 | 5·5 | 3·0 | 12·0 | 3·0 | 36·0 | — | | 36 | U.S.A. |
| 7F8W | 6·3 | 0·3 | 250 | 11·0 | — | 9·5 | 5·2 | 50 | 200 | | 37 | U.S.A. |
| 1201 | 6·3 | 0·15 | 180 | 5·5 | 3·0 | 12·0 | 3·0 | 36 | — | | 36 | U.S.A. |
| DAC21 | 1·4 | 0·025 | 120 | 0·75 | 0 | 100·0 | 0·4 | 40 | — | | 38 | European |
| DAC22 | 1·25 | 0·025 | 90 | 0·35 | 0 | 160·0 | 0·3 | 48 | — | | 39 | European |
| DAC25 | 1·2 | 0·025 | 120 | 0·6 | 0 | 110·0 | 0·35 | 40 | — | | 40 | European |
| DBC21 | 1·4 | 0·05 | 120 | 1·6 | 1·5 | 28·0 | 0·9 | 25 | — | | 41 | European |
| DBC25 | 1·4 | 0·05 | 120 | 1·6 | 1·5 | 28·0 | 0·9 | 25 | — | | 42 | European |
| DC25 | 1·2 | 0·025 | 120 | 2·1 | — | 15·0 | 0·85 | 13 | — | | 43 | European |
| DDD25 | 1·4 | 0·1 | 90 | 3·5 | 1·5 | 12·5 | 1·2 | 15 | — | | 44 | European |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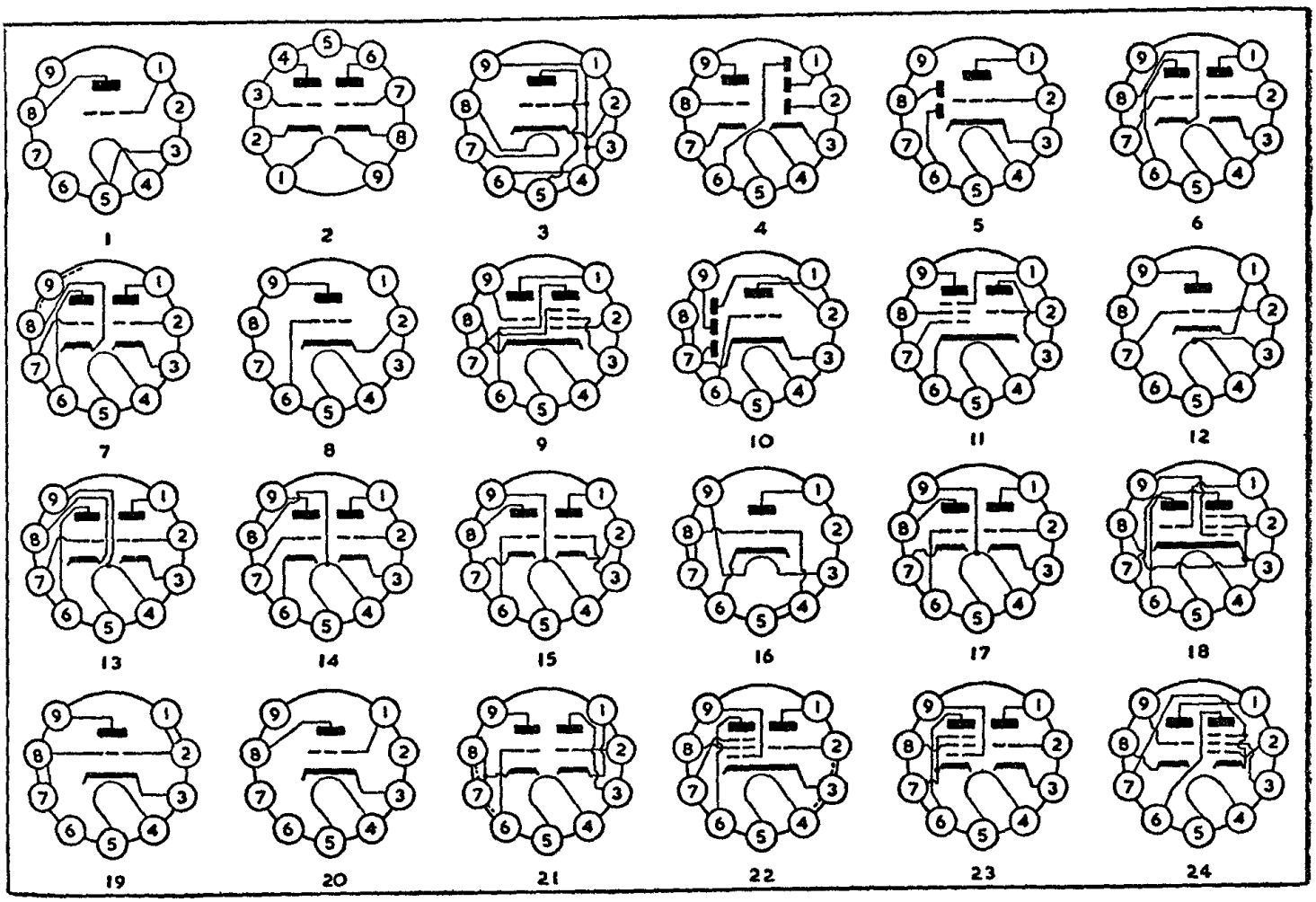
# TRIODE AMPLIFIERS—*Contd.*

| Type | FILAMENT or HEATER | | ANODE | | Negative Grid Volts | ra kΩ | gm mA/V | Amp Factor | Rk Ω | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | | | | | | Type | Ref. | |
| 1E3 | 1·25 | 0·22 | 150 | 20·0 | 3·5 | 14·0 | 3·5 | 49 | — | B9A | 1 | U.S.A. |
| 2C51 | 6·3 | 0·3 | 150 | 8·2 | 2·0 | 6·5 | 5·5 | 35 | — | | 2 | U.S.A. |
| 6AJ4 | 6·3 | 0·225 | 125 | 16·0 | — | 4·2 | 10·0 | 42 | 68 | | 3 | U.S.A. |
| 6AK8 | 6·3 | 0·45 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 4 | U.S.A. |
| 6AM4 | 6·3 | 0·225 | 150 | 13·3 | 0 | 9·5 | 9·0 | 85 | — | | 3 | U.S.A. |
| 6BD7 | 6·3 | 0·23 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 5 | U.S.A. |
| 6BK7 | 6·3 | 0·45 | 100 | 9·0 | 9·0 | 6·1 | 6·1 | 37 | 120 | | 6 | U.S.A. |
| | | | 150 | 18·0 | 12·0 | 4·8 | 8·5 | 41 | 56 | | | |
| 6BQ7 | 6·3 | 0·4 | 150 | 9·0 | — | 5·8 | 6·0 | 35 | 220 | | 7 | U.S.A. |
| 6BQ7-A | 6·3 | 0·4 | 150 | 9·0 | — | 6·1 | 6·4 | 39 | 220 | | 7 | U.S.A. |
| 6BZ7 | 6·3 | 0·4 | 150 | 10·0 | — | 5·6 | 6·8 | 38 | 220 | | 7 | U.S.A. |
| 6S4 | 6·3 | 0·6 | 250 | 26·0 | 8·0 | 3·6 | 4·5 | 16 | — | | 8 | U.S.A. |
| 6U8 | 6·3 | 0·45 | 150 | 18·0 | — | 5·0 | 8·5 | 40 | 56 | | 9 | U.S.A. |
| 6V8 | 6·3 | 0·45 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 10 | U.S.A. |
| 6X8 | 6·3 | 0·45 | 150 | 18·0 | — | — | — | — | 2700 | | 11 | U.S.A. |
| 12A4 | 12·6 | 0·3 | | | | | | | | | | |
| | 6·3 | 0·6 | 250 | 21·0 | 9·0 | 2·6 | 7·8 | 20 | — | | 12 | U.S.A. |
| 12AZ7 | 12·6 | 0·22 | | | | | | | | | | |
| | 6·3 | 0·45 | 250 | 10·0 | — | 10·9 | 5·5 | 60 | 200 | | 13 | U.S.A. |
| 12B4 | 12·6 | 0·3 | | | | | | | | | | |
| | 6·3 | 0·6 | 150 | 35·0 | 17·5 | 1·0 | 6·5 | 6·5 | — | | 12 | U.S.A. |
| 12BZ7 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 250 | 2·5 | 2·0 | 31·8 | 3·2 | 100 | — | | 13 | U.S.A. |
| 13D3 | 12·6 | 0·3 | | | | | | | | | | |
| | 6·3 | 0·6 | 250 | 6·0 | 4·6 | 14·0 | 2·3 | 32 | — | | 13 | Brimar |
| 19V8 | 19·0 | 0·15 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 10 | U.S.A. |
| 19X8 | 18·9 | 0·15 | 100 | 8·5 | — | 6·9 | 5·8 | 40 | 100 | | 11 | U.S.A. |
| 63TP | 6·3 | 0·3 | 100 | 4·0 | 2·3 | 12·5 | 1·4 | 17 | — | | 22 | Cossor |
| 5670 | 6·3 | 0·35 | 150 | 8·2 | — | 6·37 | 5·5 | 35 | 240 | | 2 | U.S.A. |
| 5687 | 12·6 | 0·45 | | | | | | | | | | |
| | 6·3 | 0·9 | 180 | 2·3 | 7·0 | 2·75 | 6·4 | 17·5 | — | | 14 | U.S.A. |
| 5751 | 12·6 | 0·175 | | | | | | | | | | |
| | 6·3 | 0·35 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 13 | U.S.A. |
| 5755 | 12·6 | 0·18 | | | | | | | | | | |
| | 6·3 | 0·36 | 310 | 0·15 | — | 140·0 | 0·5 | 70 | — | | 15 | U.S.A. |
| 5814 | 12·6 | 0·175 | | | | | | | | | | |
| | 6·3 | 0·35 | 250 | 10·5 | 8·5 | 7·7 | 2·2 | 17 | — | | 13 | U.S.A. |
| 5842 | 6·3 | 0·3 | 150 | 26·0 | — | 1·8 | 24·0 | 43 | 62 | | 16 | U.S.A. |
| 5963 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 67·5 | 7·0 | — | 7·85 | 2·8 | 22 | — | | 13 | U.S.A. |
| 5965 | 12·6 | 0·225 | | | | | | | | | | |
| | 6·3 | 0·45 | 150 | 8·2 | — | 7·25 | 8·5 | 62 | 220 | | 13 | U.S.A. |
| 6057 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 250 | 1·2 | 2·0 | 62·5 | 1·6 | 100 | — | | 13 | Am.-Brit. |
| 6060 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 250 | 10·0 | 2·0 | 10·0 | 5·5 | 55 | — | | 13 | Am.-Brit. |
| 6067 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 250 | 10·5 | 8·5 | 7·7 | 2·2 | 17 | — | | 13 | Am.-Brit. |
| 6072 | 12·6 | 0·35 | | | | | | | | | | |
| | 6·3 | 0·175 | 250 | 3·0 | 4·0 | 25·0 | 1·75 | 45 | — | | 13 | U.S.A. |
| 6085 | 12·6 | 0·3 | | | | | | | | | | |
| | 6·3 | 0·6 | 250 | 6·0 | 5·6 | 11·0 | 2·9 | 32 | 920 | | 13 | U.S.A. |
| 6158 | 12·6 | 0·3 | | | | | | | | | | |
| | 6·3 | 0·6 | 250 | 6·0 | 4·6 | 14·0 | 2·3 | 32 | — | | 13 | Brimar |
| 6201 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 250 | 10·0 | — | 10·9 | 5·5 | 60 | 60 | | 17 | U.S.A. |
| 6211 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 100 | 4·6 | — | 7·5 | 3·6 | 27 | 470 | | 13 | U.S.A. |
| B309 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 250 | 10·0 | 2·0 | 10·0 | 5·5 | 55 | — | | 13 | M.O.V. |
| DC80 | 1·25 | 0·22 | 150 | 20·0 | 3·5 | 4·0 | 3·5 | 14 | — | | 1 | European |
| E80CC | 12·6 | 0·3 | | | | | | | | | | |
| | 6·3 | 0·6 | 250 | 6·0 | 5·6 | 11·0 | 2·9 | 32 | 920 | | 13 | European |
| EABC80 | 6·3 | 0·45 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 4 | European |
| EBC80 | 6·3 | 0·23 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 5 | European |
| EC80 | 6·3 | 0·48 | 250 | 15·0 | 1·5 | 6·6 | 12·0 | 80 | — | | 19 | European |
| EC81 | 6·3 | 0·2 | 150 | 30·0 | 2·0 | 2·9 | 5·5 | 16 | — | | 20 | European |
| ECC82 | 6·3 | 0·3 | 250 | 10·5 | 8·5 | 7·7 | 2·2 | 17 | 800 | | 13 | European |
| ECC83 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 250 | 1·2 | 2·0 | 62·5 | 1·6 | 100 | — | | 13 | European |

| Type | FILAMENT or HEATER | | ANODE | | Negative Grid Volts | ra kΩ | gm mA/V | Amp Factor | Rk Ω | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | | | | | | Type | Ref. | |
| ECC84 | 6·3 | 0·4 | 90 | 12·0 | 1·5 | 3·7 | 6·2 | 23 | — | B9A | 21 | European |
| ECC85 | 6·3 | 0·45 | 200 | 11·0 | 2·0 | 7·0 | 6·8 | 48 | — | | 7 | Mul.-Eupn. |
| HABC80 | 19·0 | 0·15 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 4 | European |
| LN152 | 6·3 | 0·3 | 100 | 4·0 | 2·3 | 12·5 | 1·4 | 17 | — | | 22 | M.O.V. |
| LN309 | 12·6 | 0·3 | 250 | 14·0 | 8·5 | 7·7 | 2·2 | 17 | — | | 23 | M.O.V. |
| PCC84 | 8·5 | 0·3 | 90 | 12·0 | 1·5 | 3·7 | 6·2 | 23 | — | | 21 | Mul.-Eupn. |
| PCF80 | 8·5 | 0·3 | 100 | 14·0 | 2·0 | 4·0 | 5·0 | 20 | — | | 24 | Mul.-Eupn. |
| PCL81 | 12·6 | 0·3 | 180 | 0·4 | 1·5 | 6·0 | 7·2 | 43 | — | | 18 | Mul.-Eupn. |
| QA2406 | 12·6 | 0·15 | | | | | | | | | | |
| | 6·3 | 0·3 | 250 | 10·0 | 2·0 | 10·0 | 5·5 | 55 | — | | 13 | Osram |
| UABC80 | 28·0 | 0·1 | 250 | 1·0 | 3·0 | 58·0 | 1·2 | 70 | — | | 4 | Mul-Eupn. |

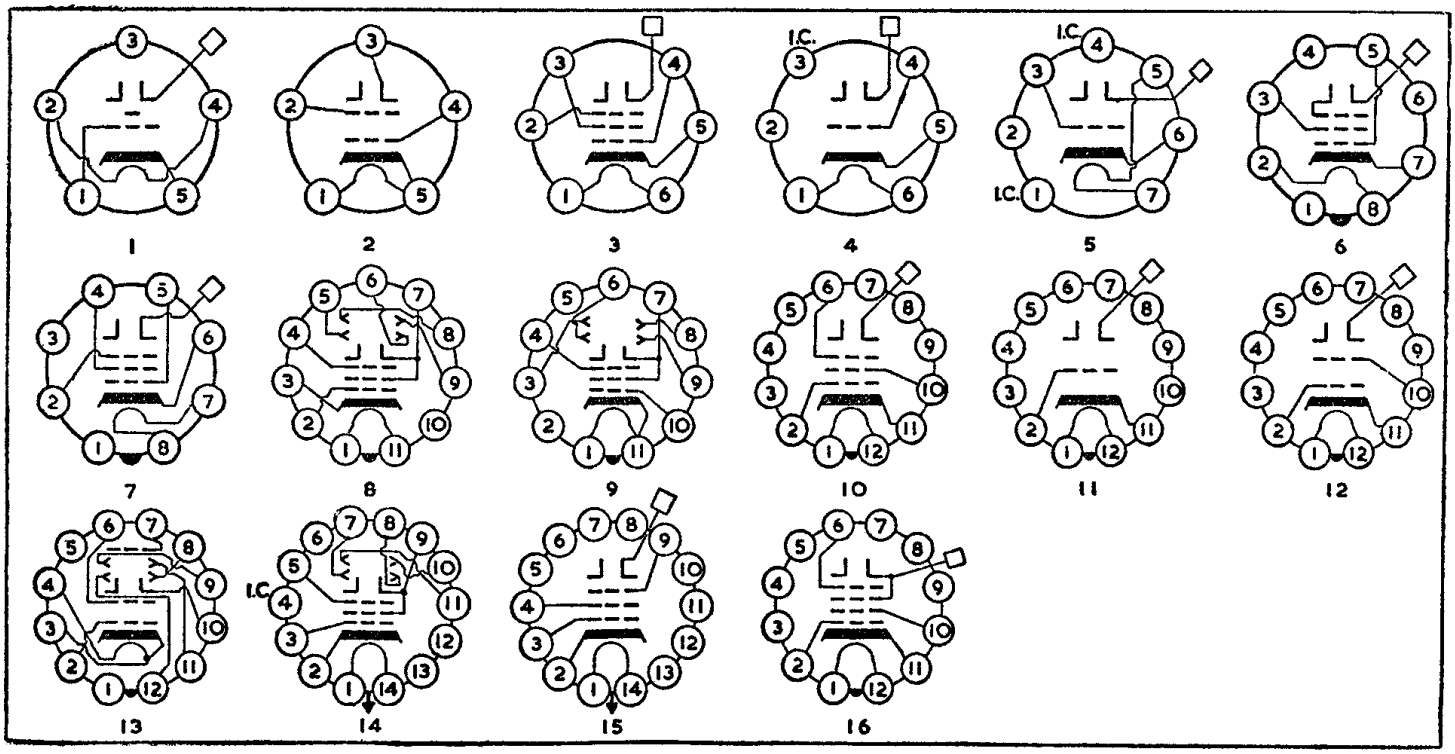


# TELEVISION C.R.T.'s

| Type | | Dia. in Inches | Remarks | HEATER | | 2ND or FINAL ANODE | | Focus Anode | ACC | MODULATOR | | Focus A/T or Focus/Def. Method | Def. Angle | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Volts | Amps | Volts | I/μA | | | Volts Swing | Volts Cut Off | | | Type | Ref. | |
| 3-18 | Triode | 12 | ‡ | 13·3 | 0·3 | 5500 | 350 | — | — | 25 | 34 | 1430 | — | B7B | 5 | E.M.I. |
| 3-31 | Triode | 12 | ‡ | 13·0 | 0·3 | 5500 | 100 | — | — | 15 | 20 | 1830 | — | | 5 | E.M.I. |
| 3-32 | Triode | 15 | ‡ | 13·0 | 0·3 | 5500 | 100 | — | — | 15 | 20 | 1830 | — | | 5 | E.M.I. |
| 3KP4 | | 3 | | 6·3 | 0·6 | 2000 | — | 460 | — | — | 38–90 | ES/ES | — | B11A | 8 | U.S.A. |
| 3NP4 | Triode | 3 | A§ | 6·3 | 0·6 | 24000 | — | — | — | — | 36–84 | MG/MG | 42 | UX5 | 1 | U.S.A. |
| 5BP4 | | 5 | | 6·3 | 0·6 | 2000 | — | 425 | — | — | 40 | ES/ES | — | B11A | 9 | U.S.A. |
| 5FP4A | Pentode | 5 | | 6·3 | 0·6 | 6000 | — | — | 250 | — | 25–70 | MG/MG | 53 | I.O. | 6 | U.S.A. |
| 5QP4 | Pentode | 5 | A | 6·3 | 0·6 | 10000 | — | — | 300 | — | 28–42 | MG/MG | 53 | | 6 | U.S.A. |
| 5TP4 | Pentode | 5 | A§¶ | 6·3 | 0·6 | 27000 | — | 4900 | 200 | — | 42–98 | ES/MG | 50 | B12A | 10 | U.S.A. |
| 7AP4 | Tetrode | 7 | | 2·5 | 2·1 | 3500 | — | — | 625 | — | 67·5 | ES/MG | 55 | UX5 | 2 | U.S.A. |
| 7CP4 | Pentode | 7 | | 6·3 | 0·6 | 6000 | — | 1140 | 250 | — | 22–68 | ES/MG | 57 | I.O. | 7 | U.S.A. |
| 7DP4 | Pentode | 7 | ϕ¶ | 6·3 | 0·6 | 6000 | — | 1430 | 250 | — | 27–63 | ES/MG | 50 | B12A | 10 | U.S.A. |
| 7EP4 | | 7 | | 6·3 | 0·6 | 2500 | — | 650 | — | — | 36–84 | ES/ES | — | B11A | 9 | U.S.A. |
| 7GP4 | | 7 | | 6·3 | 0·6 | 3000 | — | 1000 | — | — | 36–84 | ES/ES | — | B14A | 14 | U.S.A. |
| 7HP4 | Tetrode | 7 | ¶ | 6·3 | 0·6 | 6000 | — | — | 250 | — | 33–77 | MG/MG | 50 | B12A | 12 | U.S.A. |
| 7JP4 | | 7 | | 6·3 | 0·6 | 6000 | — | 2010 | — | — | 72–168 | ES/ES | — | B14A | 14 | U.S.A. |
| 7NP4 | Pentode | 7 | §¶ | 6·6 | 0·62 | 75000 | — | 17000 | 500 | — | 155 | ES/MG | 35 | | 15 | U.S.A. |
| 7QP4 | Tetrode | 7 | * | 6·3 | 0·6 | 8000 | — | — | 300 | — | 33–77 | MG/MG | 52 | B12A | 12 | U.S.A. |
| 7RP4 | Tetrode | 7 | A¶ | 6·3 | 0·6 | 9000 | — | — | 250 | — | 27–63 | MG/MG | 50 | | 12 | U.S.A. |
| 7TP4 | Pentode | 7 | A | 6·3 | 0·6 | 10000 | — | 1220 | 200 | — | 22–52 | ES/MG | 50 | | 10 | U.S.A. |
| 7WP4 | Pentode | 7 | §¶ | 6·6 | 0·62 | 75000 | — | 18000 | 500 | — | 155 | ES/MG | — | B14A | 15 | U.S.A. |
| 8AP4 | Triode | 8 | ‖* | 6·3 | 0·6 | 7000 | — | — | — | — | 27–33 | MG/MG | 54 | B12A | 11 | U.S.A. |
| 8AP4-A | Triode | 8 | G‖* | 6·3 | 0·6 | 7000 | — | — | — | — | 27–63 | MG/MG | 54 | | 11 | U.S.A. |
| 8BP4 | | 8 | | 6·3 | 0·6 | 6000 | — | 2010 | — | — | 72–168 | ES/ES | — | B14A | 14 | U.S.A. |
| 9AP4 | Pentode | 9 | | 2·5 | 2·1 | 7000 | — | 1425 | 250 | — | 75 | ES/MG | 40 | UX6 | 3 | U.S.A. |
| 9CP4 | Triode | 9 | | 2·5 | 2·1 | 6000 | — | — | — | — | 90 | MG/MG | — | | 4 | U.S.A. |
| 10BP4 | Tetrode | 10 | ¶ϕ | 6·3 | 0·6 | 11000 | — | — | 300 | — | 33–77 | MG/MG | 50 | B12A | 12 | U.S.A. |
| 10BP4A | Tetrode | 10 | ¶ϕ | 6·3 | 0·6 | 11000 | — | — | 300 | — | 33–77 | MG/MG | 50 | | 12 | U.S.A. |
| 10CP4 | Tetrode | 10 | ¶ | 6·3 | 0·6 | 9000 | — | — | 250 | — | 30–66 | MG/MG | 50 | | 12 | U.S.A. |
| 10DP4 | Hexode | 10 | A | 6·3 | 0·6 | 9000 | — | 2900 | 250 | — | 36–84 | ES/MG | 50 | | 16 | U.S.A. |
| 10EP4 | Tetrode | 10 | | 6·3 | 0·6 | 8000 | — | — | 250 | — | 45 | MG/MG | — | | 12 | U.S.A. |
| 10FP4 | Tetrode | 10 | A¶ | 6·3 | 0·6 | 11000 | — | — | 300 | — | 33–77 | MG/MG | 50 | | 12 | U.S.A. |
| 10FP4-A | Tetrode | 10 | GA¶ | 6·3 | 0·6 | 11000 | — | — | 300 | — | 33–77 | MG/MG | 50 | | 12 | U.S.A. |
| 10GP4 | | 10 | | 6·3 | 0·6 | 5000 | — | 1550 | — | — | 60–140 | ES/ES | — | B14A | 14 | U.S.A. |
| 10HP4 | | 10 | | 6·3 | 0·6 | 5000 | — | 1500 | — | — | 60–140 | ES/ES | — | | 14 | U.S.A. |
| 10MP4 | Triode | 10 | ¶ϕ | 6·3 | 0·6 | 9000 | — | — | — | — | 27–63 | MG/MG | 52 | B12A | 11 | U.S.A. |
| 10MP4-A | Triode | 10 | F¶ϕ | 6·3 | 0·6 | 9000 | — | — | — | — | 27–63 | MG/MG | 52 | | 11 | U.S.A. |
| 10SP4 | Pentode | 10 | | 6·3 | 0·6 | 14000 | — | 2225 | 200 | — | 18–48 | ES/MG | — | | 10 | U.S.A. |
| 12AP4 | Pentode | 12 | | 2·5 | 2·1 | 7000 | — | 1460 | 250 | — | 75 | ES/MG | 35 | UX6 | 3 | U.S.A. |
| 12CP4 | Triode | 12 | | 2·5 | 2·1 | 7000 | — | — | — | — | 110 | MG/MG | — | | 4 | U.S.A. |
| 12DP4 | Pentode | 12 | | 6·3 | 0·6 | 7000 | — | 250 | — | — | 45 | ES/MG | — | I.O. | 6 | U.S.A. |
| 12JP4 | Tetrode | 12 | | 6·3 | 0·6 | 10000 | — | — | 250 | — | 27–63 | MG/MG | 56 | B12A | 12 | U.S.A. |
| 12KP4 | Tetrode | 12 | A¶ | 6·3 | 0·6 | 11000 | — | — | 300 | — | 33–77 | MG/MG | 54 | | 12 | U.S.A. |
| 12KP4-A | Tetrode | 12 | GA¶ | 6·3 | 0·6 | 11000 | — | — | 300 | — | 33–77 | MG/MG | 54 | | 12 | U.S.A. |
| 12LP4 | Tetrode | 12 | ¶ϕ | 6·3 | 0·6 | 11000 | — | — | 300 | — | 33–77 | MG/MG | 54 | | 12 | U.S.A. |
| 12LP4-A | Tetrode | 12 | G¶ϕ | 6·3 | 0·6 | 11000 | — | — | 300 | — | 33–77 | MG/MG | 54 | | 12 | U.S.A. |
| 12QP4 | Tetrode | 12 | * | 6·3 | 0·6 | 10000 | — | — | 250 | — | 27–63 | MG/MG | 55 | | 12 | U.S.A. |
| 12RP4 | Tetrode | 12 | * | 6·3 | 0·6 | 10000 | — | — | 250 | — | 27–63 | MG/MG | 56 | | 12 | U.S.A. |
| 12TP4 | Tetrode | 12 | ϕ | 6·3 | 0·6 | 11000 | — | — | 250 | — | 27–63 | MG/MG | 54 | | 12 | U.S.A. |
| 12UP4 | Tetrode | 12 | ‖ϕ | 6·3 | 0·6 | 11000 | — | — | 250 | — | 27–63 | MG/MG | 54 | | 12 | U.S.A. |
| 12UP4A | Tetrode | 12 | G‖ϕ | 6·3 | 0·6 | 11000 | — | — | 250 | — | 27–63 | MG/MG | 54 | | 12 | U.S.A. |
| 12UP4B | Tetrode | 12 | GF‖ϕ | 6·3 | 0·6 | 11000 | — | — | 250 | — | 27–63 | MG/MG | 54 | | 12 | U.S.A. |
| 12VP4 | Triode | 12 | ¶ϕ | 6·3 | 0·6 | 11000 | — | — | — | — | 33–77 | MG/MG | 55 | | 11 | U.S.A. |
| 12VP4A | Triode | 12 | G¶ϕ | 6·3 | 0·6 | 11000 | — | — | — | — | 33–77 | MG/MG | 55 | | 11 | U.S.A. |
| 12XP4 | Tetrode | 12 | ¶* | 6·3 | 0·3 | 8000 | 150 | — | 250 | — | 40 | MG/MG | 60 | | 12 | Emitron |
| 12YP4 | Tetrode | 12 | ¶* | 6·3 | 0·6 | 11000 | — | — | 250 | — | 33–73 | ES/MG | 54 | | 12 | U.S.A. |
| 14AP4 | Pentode | 14 | | 2·5 | 2·1 | 8000 | — | 1000 | 4000 | — | 40–120 | ES/ES | — | | 13 | U.S.A. |
| 14BP4 | Tetrode | 14 | RϕF¶ | 6·3 | 0·6 | 11000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| 14CP4 | Tetrode | 14 | R*F¶ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 14DP4 | Tetrode | 14 | RϕF | 6·3 | 0·6 | 11000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| 14EP4 | Tetrode | 14 | R*F¶ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 14GP4 | Hexode | 14 | R*G¶ | 6·3 | 0·6 | 12000 | — | 2550 | 300 | — | 33–77 | ES/MG | 70 | | 16 | U.S.A. |
| 14HP4 | Hexode | 14 | * | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | ES/MG | — | | 16 | U.S.A. |
| 14KP4 | Tetrode | 14 | ¶* | 6·3 | 0·3 | 10000 | 150 | — | 250 | — | 40 | MG/MG | 70 | | 12 | Emitron |
| 15AP4 | Tetrode | 15 | | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 57 | | 12 | U.S.A. |
| 15CP4 | Tetrode | 15 | ϕ | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 57 | | 12 | U.S.A. |
| 15DP4 | Tetrode | 15 | * | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 57 | | 12 | U.S.A. |
| 15EP4 | Tetrode | 15 | ¶* | 6·3 | 0·3 | 10000 | 150 | — | 250 | — | 40 | MG/MG | 52 | | 12 | Emitr on |
| 16ACP4 | Tetrode | 16 | ¶ϕ | 6·3 | 0·6 | 13000 | — | — | 250 | — | 33–68 | ES/MG | 60 | | 12 | U.S.A. |
| 16AP4 | Tetrode | 16 | ‖ϕ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 53 | | 12 | U.S.A. |
| 16AP4-A | Tetrode | 16 | G‖*ϕ | 6·3 | 0·6 | 13000 | — | — | 300 | — | 33–77 | MG/MG | 53 | | 12 | U.S.A. |

| Type | | Dia. in Inches | Remarks | HEATER | | 2ND or FINAL ANODE | | Focus Anode | ACC | MODULATOR | | Focus A/T or Focus/Def. Method | Def. Angle | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Volts | Amps | Volts | I/μA | | | Volts Swing | Volts Cut Off | | | Type | Ref. | |
| 16CP4 | Tetrode | 16 | $\phi$ | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 52 | B12A | 12 | U.S.A. |
| 16DP4 | Tetrode | 16 | $\phi$ | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 60 | | 12 | U.S.A. |
| 16DP4-A | Tetrode | 16 | G$\phi$ | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 60 | | 12 | U.S.A. |
| 16EP4 | Tetrode | 16 | \|$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 60 | | 12 | U.S.A. |
| 16EP4-A/B | Tetrode | 16 | GF\|$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 60 | | 12 | U.S.A. |
| 16FP4 | Tetrode | 16 | * | 6·3 | 0·6 | 13000 | — | — | 250 | — | 27–63 | MG/MG | 62 | | 12 | U.S.A. |
| 16GP4 | Tetrode | 16 | G\|\|* | 6·3 | 0·6 | 13000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 16GP4-A | Tetrode | 16 | \|\|* | 6·3 | 0·6 | 13000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| 16GP4-B | Tetrode | 16 | GF\|\|* | 6·3 | 0·6 | 13000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| 16GP4-C | Tetrode | 16 | F\|\|* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 16HP4 | Tetrode | 16 | ¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 60 | | 12 | U.S.A. |
| 16HP4-A | Tetrode | 16 | G¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 60 | | 12 | U.S.A. |
| 16JP4 | Tetrode | 16 | ¶$\phi$ | 6·3 | 0·6 | 11000 | — | — | 250 | — | 27–63 | MG/MG | 60 | | 12 | U.S.A. |
| 16JP4-A | Tetrode | 16 | G¶$\phi$ | 6·3 | 0·6 | 11000 | — | — | 250 | — | 27–63 | MG/MG | 60 | | 12 | U.S.A. |
| 16KP4 | Tetrode | 16 | RG¶* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 16KP4-A | Tetrode | 16 | RGA¶* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 16LP4 | Tetrode | 16 | ¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 52 | | 12 | U.S.A. |
| 16LP4-A | Tetrode | 16 | G¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 52 | | 12 | U.S.A. |
| 16MP4 | Tetrode | 16 | ¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 60 | | 12 | U.S.A. |
| 16MP4-A | Tetrode | 16 | G¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 60 | | 12 | U.S.A. |
| 16QP4 | Tetrode | 16 | RG$\phi$ | 6·3 | 0·6 | 14000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| 16RP4 | Tetrode | 16 | RG¶* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 16SP4 | Tetrode | 16 | ¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 16SP4-A | Tetrode | 16 | G¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 16TP4 | Tetrode | 16 | RG¶* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |
| 16UP4 | Tetrode | 16 | RG* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| 16VP4 | Tetrode | 16 | G* | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| 16WP4 | Tetrode | 16 | G$\phi$ | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| 16WP4-A | Tetrode | 16 | G¶$\phi$ | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| XP4 | Tetrode | 16 | GR$\phi$ | 6·3 | 0·6 | 12000 | — | — | 250 | — | 27–63 | MG/MG | 70 | | 12 | U.S.A. |
| YP4 | Tetrode | 16 | G¶* | 6·3 | 0·6 | 12000 | — | — | 200 | — | 33–77 | MG/MG | 70 | | 12 | U.S.A. |

A=Aluminised. G=Tinted. F=Frosted. ¶=Aquadag coated. *=Single ion trap. $\phi$=Double ion trap. ||=Metal Cone.
R=Rectangular tube. §=Projection tube. ‡=Intended for cathode modulation.

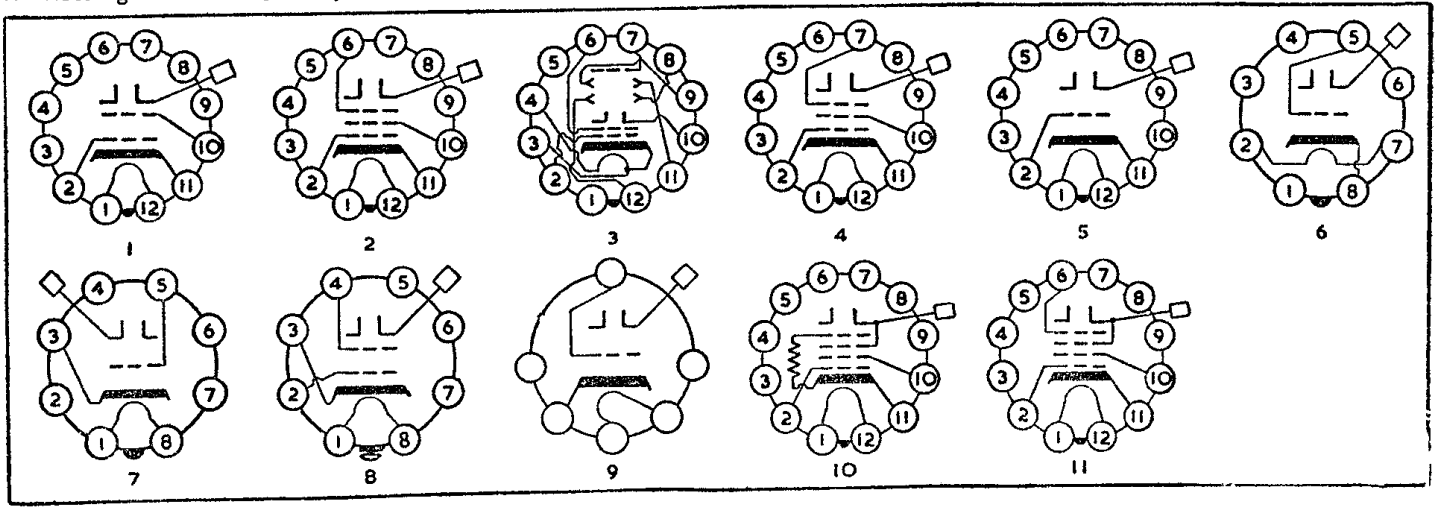


# TELEVISION C.R.T.'s—*Contd.*

| Type | | Dia. in Inches | Remarks | HEATER | | 2ND or FINAL ANODE | | Focus Anode | ACC | MODULATOR | | Focus A/T or Focus/Def. Method | Def. Angle | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Volts | Amps | Volts | I/μA | | | Volts Swing | Volts Cut Off | | | Type | Ref. | |
| 16ZP4 | Tetrode | 16 | G¶ϕ | 6·3 | 0·6 | 12000 | — | — | 200 | — | 33–77 | MG/MG | 52 | B12A | 1 | U.S.A. |
| 17AP4 | Tetrode | 17 | GR¶* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 17BP4 | Tetrode | 17 | GR* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 17BP4-A | Tetrode | 17 | GR¶* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 17BP4-B | Tetrode | 17 | GAR¶* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 17CP4 | Tetrode | 17 | GFR‖* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 17CP4-A | Tetrode | 17 | R‖* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 17FP4 | Hexode | 17 | GR¶* | 6·3 | 0·6 | 12000 | — | 2600 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 17FP4-A | Hexode | 17 | GR¶* | 6·3 | 0·6 | 12000 | — | 2600 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 17GP4 | Hexode | 17 | GFR‖* | 6·3 | 0·6 | 14000 | — | 2800 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 17HP4 | Hexode | 17 | GR¶* | 6·3 | 0·6 | 14000 | — | 180 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 17JP4 | Tetrode | 17 | GR¶* | 6·3 | 0·6 | 16000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 17KP4 | Hexode | 17 | GR¶* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | ES/MG | 70 | | 10 | U.S.A. |
| 17LP4 | Hexode | 17 | GR¶* | 6·3 | 0·6 | 12000 | — | 154 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 17QP4 | Tetrode | 17 | GR¶* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 17RP4 | Hexode | 17 | GR¶* | 6·3 | 0·6 | 14000 | — | 0 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 17SP4 | Tetrode | 17 | GR¶* | 6·3 | 0·6 | 12000 | — | — | 250 | — | 33–66 | ES/MG | 70 | | 1 | U.S.A. |
| 17TP4 | Hexode | 17 | GFR‖* | 6·3 | 0·6 | 14000 | — | 175 | 300 | — | 33–77 | ES/MG | 70 | | 2 | U.S.A. |
| 17UP4 | Tetrode | 17 | GR¶* | 6·3 | 0·6 | 12000 | — | — | 250 | — | 33–66 | MG/MG | 70 | | 1 | U.S.A. |
| 17VP4 | Hexode | 17 | GR¶* | 6·3 | 0·6 | 14000 | — | 0 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 17YP4 | Tetrode | 17 | * | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 19AP4 | Tetrode | 19 | ‖* | 6·3 | 0·6 | 15000 | — | — | 300 | — | 33–77 | MG/MG | 66 | | 1 | U.S.A. |
| 19AP4-A | Tetrode | 19 | G‖* | 6·3 | 0·6 | 15000 | — | — | 300 | — | 33–77 | MG/MG | 66 | | 1 | U.S.A. |
| 19AP4-B | Tetrode | 19 | GF‖* | 6·3 | 0·6 | 15000 | — | — | 300 | — | 33–77 | MG/MG | 66 | | 1 | U.S.A. |
| 19AP4-D | Tetrode | 19 | F‖* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 66 | | 1 | U.S.A. |
| 19DP4 | Tetrode | 19 | ¶* | 6·3 | 0·6 | 13000 | — | — | 250 | — | 26–63 | MG/MG | 66 | | 1 | U.S.A. |
| 19DP4-A | Tetrode | 19 | G¶* | 6·3 | 0·6 | 13000 | — | — | 250 | — | 26–63 | MG/MG | 66 | | 1 | U.S.A. |
| 19EP4 | Tetrode | 19 | RG¶ϕ | 6·3 | 0·6 | 13000 | — | — | 250 | — | 26–63 | MG/MG | 70 | | 1 | U.S.A. |
| 19FP4 | Tetrode | 19 | Gϕ | 6·3 | 0·6 | 13000 | — | — | 250 | — | 27–63 | MG/MG | 66 | | 1 | U.S.A. |
| 19GP4 | Tetrode | 19 | G* | 6·3 | 0·6 | 13000 | — | — | 250 | — | 27–63 | MG/MG | 66 | | 1 | U.S.A. |
| 19JP4 | Tetrode | 19 | RG* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 19QP4 | Hexode | 19 | RG¶* | 6·3 | 0·6 | 12000 | — | 200 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 20AP4 | Pentode | 20 | | 2·5 | 2·1 | 8000 | — | 1000 | — | — | 40–120 | ES/ES | — | | 3 | U.S.A. |
| 20BP4 | Tetrode | 20 | | 6·3 | 0·6 | 15000 | — | — | 250 | — | 27–63 | MG/MG | 54 | | 1 | U.S.A. |
| 20CP4 | Tetrode | 20 | RG* | 6·3 | 0·6 | 15000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 20CP4-A | Tetrode | 20 | RG¶* | 6·3 | 0·6 | 15000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 20DP4 | Tetrode | 20 | RG* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 20DP4-A | Tetrode | 20 | RG¶* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 20FP4 | Hexode | 20 | RG* | 6·3 | 0·6 | 12000 | — | 2750 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 20GP4 | Hexode | 20 | RG¶* | 6·3 | 0·6 | 16000 | — | 3750 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 20HP4 | Hexode | 20 | RG* | 6·3 | 0·6 | 14000 | — | 180 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 20HP4-A | Hexode | 20 | RG¶* | 6·3 | 0·6 | 14000 | — | 180 | 300 | — | 33–77 | ES/MG | 70 | | 2 | U.S.A. |
| 20JP4 | Tetrode | 20 | RG¶* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | ES/MG | 70 | | 1 | U.S.A. |
| 20LP4 | Hexode | 20 | * | 6·3 | 0·6 | 14000 | — | 0 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 20MP4 | Hexode | 20 | RG¶* | 6·3 | 0·6 | 16000 | — | 207 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 21AP4 | Tetrode | 21 | RF‖* | 6·3 | 0·6 | 16000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 21DP4 | Hexode | 21 | RGF‖* | 6·3 | 0·6 | 16000 | — | 3650 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 21EP4 | Tetrode | 21 | GR* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 21EP4-A | Tetrode | 21 | GR¶* | 6·3 | 0·6 | 16000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 21EP4-B | Tetrode | 21 | GAR¶* | 6·3 | 0·6 | 16000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 21FP4 | Hexode | 21 | GR* | 6·3 | 0·6 | 14000 | — | 180 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 21FP4-A | Hexode | 21 | GR¶* | 6·3 | 0·6 | 14000 | — | 180 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 21KP4 | Tetrode | 21 | GR* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 38–77 | ES/MG | 70 | | 1 | U.S.A. |
| 21KP4-A | Hexode | 21 | GR¶* | 6·3 | 0·6 | 12000 | — | — | 300 | — | 33–77 | ES/MG | 70 | | 10 | U.S.A. |
| 21MP4 | Hexode | 21 | GFR‖* | 6·3 | 0·6 | 16000 | — | 207 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 22AP4 | Tetrode | 22 | ‖ | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 22AP4-A | Tetrode | 22 | G‖* | 6·3 | 0·6 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 24AP4 | Tetrode | 24 | G‖* | 6·3 | 0·6 | 15000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | U.S.A. |
| 24BP4 | Hexode | 24 | G‖* | 6·3 | 0·6 | 14000 | — | 180 | 300 | — | 33–77 | ES/MG | 70 | | 11 | U.S.A. |
| 27AP4 | Hexode | 27 | GFR‖* | 6·3 | 0·6 | 15000 | — | 120 | 300 | — | 33–77 | ES/MG | 90 | | 11 | U.S.A. |
| 27EP4 | Tetrode | 27 | GAR* | 6·3 | 0·6 | 16000 | — | — | 300 | — | 33–77 | MG/MG | 90 | | 1 | U.S.A. |
| 30BP4 | Tetrode | 30 | G‖* | 6·3 | 0·6 | 22000 | — | — | 300 | — | 33–77 | MG/MG | 90 | | 1 | U.S.A. |
| 171K | Tetrode | 17 | R* | 6·3 | 0·3 | 14000 | — | — | 300 | — | 40–60 | MG/MG | 70 | | 1 | Cossor |
| 172K | Pentode | 17 | RG* | 6·3 | 0·3 | 14000 | — | — | 300 | — | 40–60 | MG/MG | 70 | | 4 | Cossor |
| 6705A | Triode | 12 | A¶ | 6·3 | 0·5 | 9000 | 100 | — | — | — | 43 | MG/MG | — | I.O. | 6 | G.E.C. |
| 6706A | Triode | 12 | A¶ | 10·8 | 0·3 | 9000 | 100 | — | — | — | 43 | MG/MG | — | | 6 | G.E.C. |
| 6901A | Triode | 16 | A | 6·3 | 0·3 | 14000 | 100 | — | — | — | 100 | MG/MG | 70 | B12A | 5 | G.E.C. |
| 7102A | Triode | 12 | A¶ | 6·3 | 0·3 | 9000 | 100 | — | — | 20 | 43 | MG/MG | 55 | I.O. | 6 | G.E.C. |
| 7201A | Triode | 14 | AGR | 6·3 | 0·3 | 14000 | — | — | — | — | — | MG/MG | 70 | B12A | 5 | G.E.C. |
| Bm31-1 | Triode | 12 | | 6·3 | 0·3 | 9000 | 100 | — | — | 30 | 60–100 | MG/MG | 50 | Pins | 9 | European |
| Bm35R-1 | Triode | 14 | RG | 6·3 | 0·45 | 9000 | 100 | — | — | 30 | 25–80 | MG/MG | 70 | B12A | 5 | European |
| Bm35R-2 | Tetrode | 14 | RA | 6·3 | 0·3 | 12000 | 100 | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | European |

| Type | | Dia. in Inches | Remarks | HEATER | | 2ND or FINAL ANODE | | Focus Anode | ACC | MODULATOR | | Focus A/T or Focus/Def. Method | Def. Angle | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Volts | Amps | Volts | I/flA | | | Volts Swing | Volts Cut Off | | | Type | Ref. | |
| Bmv35/2 | Tetrode | 14 | R | 6·3 | 0·3 | 12000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | European |
| Bmv42/2 | Tetrode | 17 | R | 6·3 | 0·3 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | | 1 | European |
| Bs42R-3 | Pentode | 17 | R | 6·3 | 0·3 | 14000 | — | Vk | 300 | — | 33–77 | ES/MG | 70 | | 2 | European |
| Bs42R-6 | Pentode | 17 | R* | 6·3 | 0·3 | 14000 | — | Vk | 300 | — | 33–77 | ES/MG | 70 | | 2 | European |
| C12BM | Triode | 12 | A¶ | 2·0 | 2·5 | 12000 | 150 | — | — | 30 | 60–140 | 750 | — | I.O. | 6 | Brimar |
| C12DM | Triode | 12 | ¶ | 2·0 | 2·5 | 7000 | 150 | — | — | 30 | 40–100 | 600 | — | | 6 | Brimar |
| C12FM | Tetrode | 12 | ¶* | 6·3 | 0·3 | 7000 | 175 | — | 200 | 25 | 40 | 600 | 63 | B12A | 1 | Brimar |
| C14BM | Triode | 14 | AR¶ | 6·3 | 0·6 | 12000 | 250 | — | — | 30 | 50–100 | 800 | 70 | | 5 | Brimar |
| C14FM | Tetrode | 14 | RA¶* | 12·6 | 0·3 | 12000 | 150 | — | 300 | 30 | 33–77 | 800 | 70 | | 1 | Brimar |
| C14GM | Hexode | 14 | RA*¶¶ | 12·6 | 0·3 | 12000 | — | 0 | 300 | 30 | 33–77 | ES/MG | 70 | | 11 | Brimar |
| C17BM | Triode | 17 | AR¶ | 6·3 | 0·6 | 15000 | 150 | — | — | 30 | 40–70 | 850 | 70 | | 5 | Brimar |
| C17FM | Tetrode | 17 | RA¶* | 12·6 | 0·3 | 14000 | 150 | — | 300 | 30 | 33–77 | 850 | 70 | | 1 | Brimar |
| C17GM | Hexode | 17 | RA*¶ | 12·6 | 0·3 | 14000 | — | 0 | 300 | 30 | 33–37 | ES/MG | 70 | | 11 | Brimar |
| CRM121B | Triode | 12 | G | 2·0 | 1·4 | 9000 | 150 | — | — | 30 | 45–98 | 750 | — | M.O. | 7 | Mazda |
| CRM124 | Tetrode | 12 | — | 12·6 | 0·3 | 10000 | — | — | 400 | 33 | 80 | MG/MG | 56 | B12A | 1 | Mazda |
| CRM141 | Tetrode | 14 | — | 12·6 | 0·3 | 11000 | — | — | 400 | 33 | 59/127 | MG/MG | 70 | | 1 | Mazda |
| CRM152 | Triode | 15 | A | 2·0 | 1·4 | 10000 | — | — | — | 33 | 59/127 | MG/MG | 70 | | 5 | Mazda |
| CRM152A | Triode | 15 | A | 2·0 | 1·4 | 12000 | 150 | — | — | 33 | 59–127 | MG/MG | 70 | | 5 | Mazda |
| CRM152B | Triode | 15 | GA | 2·0 | 1·4 | 12000 | 150 | — | — | 33 | 59–127 | MG/MG | 70 | | 5 | Mazda |
| CRM153 | Tetrode | 15 | — | 12·6 | 0·3 | 15000 | — | — | 400 | 33 | 59/127 | MG/MG | 70 | | 1 | Mazda |
| CRM171 | Tetrode | 17 | — | 12·6 | 0·3 | 16000 | — | — | 400 | 33 | 59/127 | MG/MG | 70 | | 1 | Mazda |
| MW31-7 | Tetrode | 12 | | 6·3 | 0·6 | 9000 | 100 | — | 350 | — | 40 | 750 | 63 | B8G | 8 | Eupn.-Mul. |
| MW31-14 | Tetrode | 12 | ¶ | 6·3 | 0·3 | 9000 | 100 | — | 350 | — | 40 | 750 | 63 | | 8 | Eupn.-Mul. |
| MW31-74 | Tetrode | 12 | G¶* | 6·3 | 0·3 | 9000 | — | — | 350 | — | 44–99 | 750 | — | B12A | 1 | Mullard |
| MW36-22 | Tetrode | 14 | R¶* | 6·3 | 0·3 | 10000 | — | — | 250 | — | 33–72 | 1000 | 65 | | 1 | Eupn.-Mul. |
| MW36-24 | Tetrode | 14 | RG¶* | 6·3 | 0·3 | 10000 | — | — | 250 | — | 33–72 | 1000 | 65 | | 1 | Eupn.-Mul. |
| MW36-29 | Tetrode | 14 | ARG¶ | 6·3 | 0·3 | 10000 | — | — | 250 | — | 33–77 | MG/MG | 70 | | 1 | Eupn.Mul. |
| MW36-44 | Pentode | 14 | R* | 6·3 | 0·3 | 14000 | — | — | 250 | — | 65 | 1075 | 70 | | 4 | Eupn.-Mul |
| MW43-22 | Tetrode | 17 | R ¶* | 6·3 | 0·3 | 10000 | — | — | 250 | — | 33–72 | 1000 | 70 | | 1 | Mullard |
| MW43-24 | Tetrode | 17 | RG¶* | 6·3 | 0·3 | 10000 | — | — | 250 | — | 33–72 | 1000 | 70 | | 1 | Mullard |
| MW43-29 | Tetrode | 17 | RA¶* | 6·3 | 0·3 | 10000 | — | — | 250 | — | 33–72 | 1000 | 70 | | 1 | Mullard |
| MW43-43 | Pentode | 17 | RG‖* | 6·3 | 0·3 | 14000 | — | — | 300 | — | 40–86 | 1065 | 70 | | 4 | Eupn.-Mul |
| MW43-61 | Tetrode | 17 | R* | 6·3 | 0·3 | 14000 | — | — | 400 | — | 43–103 | MG/MG | 70 | | 1 | European |
| MW43-64 | Pentode | 17 | RG* | 6·3 | 0·3 | 14000 | — | — | 300 | — | 43–77 | MG/MG | 65 | | 4 | Mul.-Eupn |
| R42 | Pentode | 14 | R* | 6·3 | 0·3 | 14000 | — | 0/600 | 325 | — | 33–77 | ES/MG | 70 | | 2 | European |
| R50 | Pentode | 17 | R* | 6·3 | 0·3 | 14000 | — | 0/600 | 325 | — | 33–77 | ES/MG | 70 | | 2 | European |
| T12/71U | Triode | 12 | | 8·0 | 0·3 | 9000 | 150 | — | — | 32 | 60 | 800 | — | I.O. | 6 | Ferranti |
| T12/72U | Triode | 12 | ¶ | 8·0 | 0·3 | 9000 | 150 | — | — | 32 | 60 | 800 | — | | 6 | Ferranti |
| T12/81U | Triode | 12 | A | 8·0 | 0·3 | 9000 | 150 | — | — | 32 | 60 | 800 | — | | 6 | Ferranti |
| T12/82U | Triode | 12 | A¶ | 8·0 | 0·3 | 9000 | 150 | — | — | 32 | 60 | 800 | — | | 6 | Ferranti |
| T12/91 | Triode | 12 | | 2·0 | 1·5 | 9000 | 150 | — | — | 32 | 70 | 800 | — | | 6 | Ferranti |
| T12/92 | Triode | 12 | ¶ | 2·0 | 1·5 | 9000 | 150 | — | — | 32 | 70 | 800 | — | | 6 | Ferranti |
| T12/404 | Triode | 12 | A | 4·0 | 0·95 | 9000 | 150 | — | — | 30 | 55 | 800 | — | | 6 | Ferranti |
| T12/449 | Triode | 12 | | 4·0 | 0·95 | 9000 | 150 | — | — | 30 | 54 | 800 | — | | 6 | Ferranti |
| T12/504 | Triode | 12 | A¶ | 4·0 | 0·95 | 9000 | 150 | — | — | 30 | 55 | 800 | — | | 6 | Ferranti |
| T12/549 | Triode | 12 | ¶ | 4·0 | 0·95 | 9000 | 150 | — | — | 30 | 54 | 800 | — | | 6 | Ferranti |
| T901B | Tetrode | 16 | ‖ | 6·3 | 0·3 | 14000 | — | — | 300 | — | 33–77 | MG/MG | 70 | B12A | 1 | Eng.-Elec |
| TP400-A | Triode | 4 | ¶§ | 6·3 | 0·6 | 20000 | — | — | — | — | 70–140 | MG/MG | 50 | I.O. | 6 | U.S.A. |
| TR14-1 | Triode | 14 | RA | 4·0 | 0·95 | 10000 | 100 | — | — | 30 | 67 | MG/MG | 70 | B12A | 5 | Ferranti |
| TR14-2 | Triode | 14 | RA¶ | 4·0 | 0·95 | 10000 | 100 | — | — | 30 | 67 | MG/MG | 70 | | 5 | Ferranti |
| TR17-1 | Triode | 17 | RA | 4·0 | 0·95 | 14000 | 100 | — | — | 31 | 66 | MG/MG | 70 | | 5 | Ferranti |
| TR17-2 | Triode | 17 | RA¶ | 4·0 | 0·95 | 14000 | 100 | — | — | 31 | 66 | MG/MG | 70 | | 5 | Ferranti |

A=Aluminised G=Tinted. F=Frosted. ¶=Aquadag coated. *=Single ion trap. ϕ=Double ion trap. ‖=Metal Cone
R=Rectangular tube. §=Projection tube. ‡=Intended for cathode modulation.



# SUB-MINIATURE VALVES

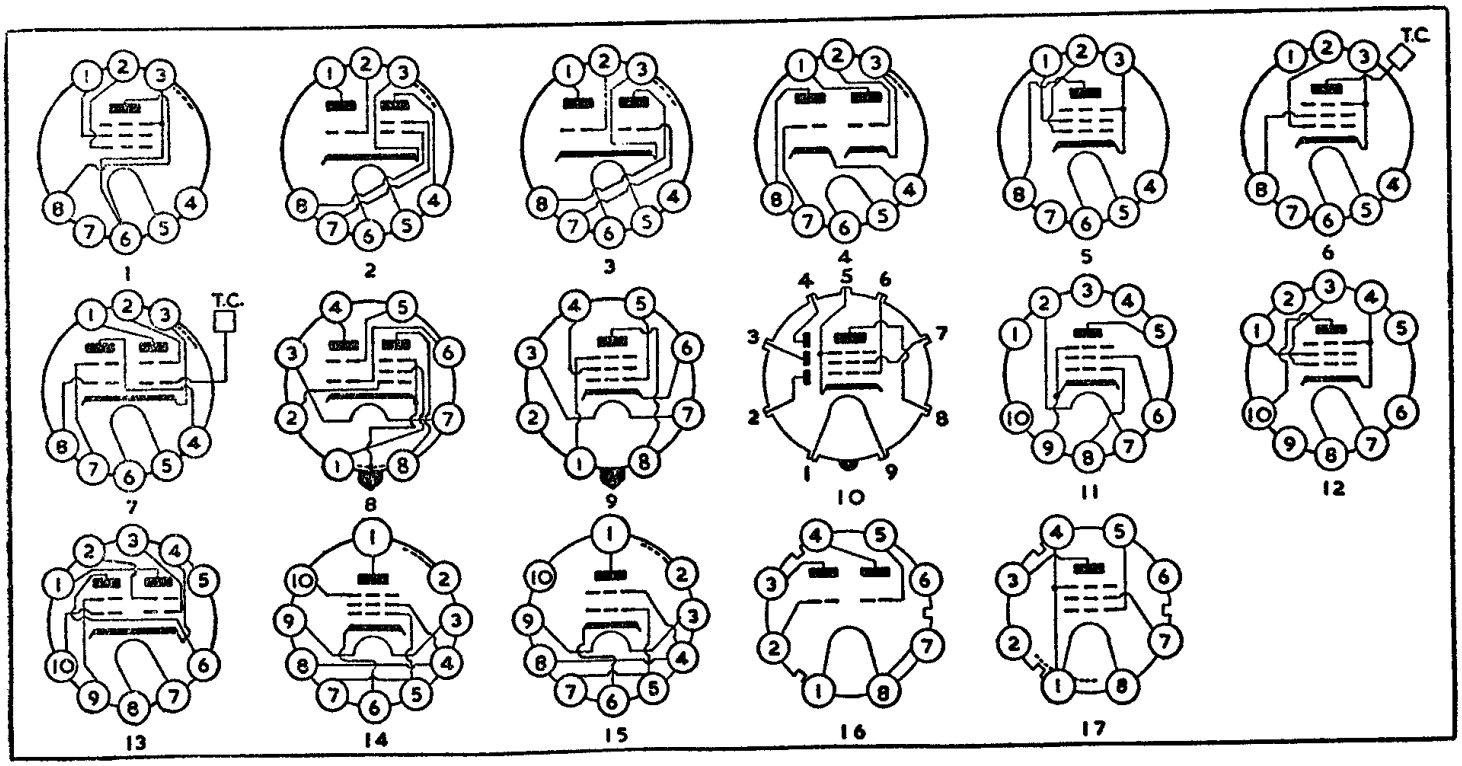
| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra (kΩ) | gm (mA/V) | Anode Load Ω | Output (in W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | |
| 1AC5 | L.F. Pentode | 1·25 | 0·04 | 67·5 | 2·0 | 67·5 | 0·4 | 4·5 | 150 | 0·75 | 25000 | 50 |
| 1AD1 | Pentode | 1·25 | 0·1 | 45 | 2·8 | 45 | 0·8 | — | 500 | 2·0 | — | — |
| 1AD5 | Pentode | 1·25 | 0·04 | 67·5 | 1·85 | 67·5 | 0·75 | 0 | 700 | 0·735 | — | — |
| 1AE5 | Converter | 1·25 | 0·06 | 45 | 0·9 | 45 | 2·0 | — | 200 | 0·2 | — | — |
| 1AG4 | L.F. Pentode | 1·25 | 0·04 | 41·5 | 2·4 | 41·5 | 0·6 | 3·6 | 180 | 1·0 | 12000 | 35 |
| 1AG5 | Diode Pen. | 1·25 | 0·03 | 45 | 0·8 | 45 | 0·25 | — | 260 | 0·35 | — | — |
| 1AH4 | Pentode | 1·25 | 0·04 | 45 | 0·75 | 45 | 0·2 | — | 1500 | 0·75 | — | — |
| 1D3 | Triode | 1·25 | 0·3 | 90 | 12·5 | — | — | 5 | 2·6 | 3·4 | — | — |
| 1E8 | Converter | 1·25 | 0·04 | 67·5 | 1·0 | 37·5 | 1·5 | 0 | 400 | 0·15 | — | — |
| 1M3 | Tuning Ind. | 1·4 | 0·025 | 90 | 0·25 | Target | — | 13·5 | — | — | — | — |
| 1Q6 | Diode Pen. | 1·25 | 0·04 | 67·5 | 1·6 | 67·5 | 0·4 | 0 | 400 | 0·6 | — | — |
| 1S6 | Diode Pen. | 1·25 | 0·04 | 67·5 | 1·6 | 67·5 | 0·4 | 0 | 400 | 0·6 | — | — |
| 1T6 | Diode Pen. | 1·25 | 0·04 | 67·5 | 1·6 | 67·5 | 0·4 | 0 | 400 | 0·6 | — | — |
| 1V6 | Converter | 1·25 | 0·04 | 45 | 0·4 | 45 | 0·15 | — | 1000 | 0·2 | — | — |
| 2B5 | Twin Triode | 2·4<br>1·2 | 0·13<br>0·26 | 90 | 2·6 | — | — | 1·0 | 18·7 | 1·15 | — | — |
| 6AD4 | Triode | 6·3 | 0·15 | 100 | 1·4 | — | — | 820* | 26 | 2·7 | — | — |
| 6AK4 | Triode | 6·3 | 0·15 | 200 | 9·5 | — | — | 680* | 5·3 | 3·8 | — | — |
| 6AZ5 | Rectifier | 6·3 | 0·15 | 150 Volts RMS D.C.I. = 4 mA. 420 P.I.V. | | | | | | | | |
| 6AZ6 | Rectifier | 6·3 | 0·15 | 200 Volts RMS D.C.I. = 20 mA. 450 P.I.V. | | | | | | | | |
| 6BA5 | Pentode | 6·3 | 0·15 | 100 | 4·8 | 100 | 1·25 | 270* | 1500 | 3·3 | — | — |
| 6BF7 | Twin Triode | 6·3 | 0·3 | 100 | 8·0 | — | — | 100* | 7 | 4·8 | — | — |
| 6BG7 | Twin Triode | 6·3 | 0·3 | 100 | 8·0 | — | — | 100* | 7 | 4·8 | — | — |
| 70B1 | Voltage Reg. | — | — | 100 V. Starting. 70 V. Operating. 5–15 mA Operating Current. | | | | | | | | |
| 4065 | E'meter Tri. | 1·25 | 0·013 | 9 | 0·1 | — | — | 2·5 | 20 | 0·08 | — | — |
| 5635 | Twin Triode | 6·3 | 0·45 | 100 | 4·8 | — | — | 100* | 10 | 3·8 | — | — |
| 5636 | Pentode | 6·3 | 0·15 | 100 | 3·0 | 100 | 5 | 150* | 160 | 1·0 | — | — |
| 5639 | Pentode | 6·3 | 0·45 | 150 | 21·0 | 100 | 4 | 100* | 50 | 9·0 | — | — |
| 5642 | Rectifier | 1·25 | 0·14 | 10000 V. P.I.V. D.C.I. = 2 mA. | | | | | | | | |
| 5643 | Thyratron | 6·3 | 0·15 | 500 V. P. Anode 500 V. Inv. Average I = 22. | | | | | | | | |
| 5644 | Voltage Reg. | — | — | 125 V. Starting. 95 V. Operating. 5-25 mA. Operating Current. | | | | | | | | |
| 5646 | Triode | 6·3 | 0·15 | 100 | 1·4 | — | — | 820* | 29 | 2·4 | — | — |
| 5647 | Rectifier | 6·3 | 0·15 | 150 V. RMS D.C.I. = 9 mA. | | | | | | | | |
| 5672 | L.F. Pentode | 1·25 | 0·05 | 67·5 | 3·25 | 67·5 | 1·1 | 6·5 | — | 0·65 | 20000 | 65 |
| 5675 | L.F. Triode | 6·3 | 0·135 | 135 | 24·0 | — | — | — | 3·225 | 6·2 | — | — |
| 5676 | Triode | 1·25 | 0·125 | 135 | 4·0 | — | — | 5 | — | 1·6 | — | — |
| 5677 | Triode | 1·25 | 0·07 | 135 | 1·9 | — | — | 6 | — | 0·65 | — | — |
| 5678 | Pentode | 1·25 | 0·05 | 67·5 | 1·8 | 67·5 | 0·48 | 0 | — | 1·1 | — | — |
| 5697 | Triode | 0·625 | 0·02 | 12 | 0·22 | — | — | 3 | — | 0·135 | — | — |
| 5702/WA | Pentode | 6·3 | 0·2 | 120 | 7·5 | 120 | 2·5 | 200* | 340 | 5·0 | — | — |
| 5703/WA | Triode | 6·3 | 0·2 | 120 | 9·0 | — | — | 2 | — | — | — | — |
| 5704 | Diode | 6·3 | 0·15 | Max. 150 V. RMS D.C.I. = 9 mA. | | | | | | | | |
| 5718 | Triode | 6·3 | 0·15 | 100 | 12·0 | — | — | 150* | 3·65 | 5·5 | — | — |
| 5719 | Triode | 6·3 | 0·15 | 100 | 1·4 | — | — | 820* | 26 | 2·7 | — | — |
| 5734 | Triode | 6·3 | 0·15 | 300 | 1·5 | — | — | 0 | 72 | 0·275 | — | — |
| 5744/WA | Triode | 6·3 | 0·2 | 250 | 4·0 | — | — | 2 | — | 4·0 | — | — |
| 5768 | Rocket Tri. | 6·3 | 0·4 | 250 | 9·3 | — | — | 1 | — | 4·5 | — | — |
| 5783/WA | Voltage Reg. | — | — | 115 V. Starting. 85 V. Operating. 1·5 to 3·5 Operating Current. | | | | | | | | |
| 5784/WA | Pentode | 6·3 | 0·2 | 120 | 5·2 | 120 | 3·5 | 2·0 | — | 3·2 | — | — |
| 5785 | Diode | 1·25 | 0·015 | 3500 P.I.V. D.C.I. = 0·1 mA. Rectifier. | | | | | | | | |
| 5787 | Voltage Reg. | — | — | 135 V. Starting. 100 V. Operating. 5 to 25 mA. Operating Current. | | | | | | | | |
| 5787/WA | Voltage Reg. | — | — | 145 V. Starting. 100 V. Operating. 1 to 25 mA. Operating Current. | | | | | | | | |
| 5797 | Pentode | 26·5 | 0·045 | 26·5 | 2·75 | 26·5 | — | — | — | — | — | — |
| 5798 | Twin Triode | 26·5 | 0·09 | 26·5 | 15 | — | — | — | 21 | — | — | — |
| 5799 | Rectifier | 1·25 | 0·01 | 3000 V. P.I.V. D.C.I. = 0·2 mA. | | | | | | | | |
| 5800 | Triode | 1·25 | 0·01 | 4·5 | 0·01 | — | — | 3 | — | 0·015 | — | — |
| 5801 | Triode | 1·25 | 0·01 | 135 | 0·2 | — | — | 2 | — | 0·15 | — | — |
| 5802 | Triode | 1·25 | 0·01 | 10 | 0·1 | — | — | 3 | 25 | 0·065 | — | — |
| 5803 | Triode | 1·25 | 0·01 | 7·5 | 0·09 | — | — | 1·7 | — | 0·1 | — | — |
| 5828 | Triode | 1·25 | 0·01 | 45 | 0·25 | — | — | 1 | — | 0·45 | — | — |
| 5829/WA | Twin Diode | 6·3 | 0·15 | 330 V. P.I.V. D.C.I. = 5 mA. Detector. | | | | | | | | |
| 5840 | Pentode | 6·3 | 0·15 | 100 | 7·5 | 100 | 2·4 | 150* | 230 | 5·0 | — | — |
| 5841 | Voltage Reg. | — | — | 930 V. Starting. 900 V. Operating. 2 to 50 μA. Operating Current. | | | | | | | | |
| 5851 | L.F. Pentode | 2·5<br>1·25 | 0·055<br>0·1 | | 5·5 | 125 | 0·9 | 7·5 | 175 | 1·6 | — | — |
| 5854 | L.F. Pentode | 1·25 | 0·03 | 45 | 0·8 | 45 | 0·25 | 2 | 350 | 0·55 | 50000 | 9·5 |
| 5873 | Triode | 6·3 | 0·3 | 150 | 9·0 | — | — | 3 | 7·4 | 2·9 | — | — |
| 5875 | Pentode | 1·25 | 0·1 | 90 | 3·5 | 90 | 1·0 | 0 | — | 2·5 | — | — |
| 5876 | L.F. Triode | 6·3 | 0·135 | 250 | 18·0 | — | — | 2 | 8·625 | 6·5 | — | — |
| 5884 | Twin Tetrode | 1·25 | 0·01 | 4·5 | 0·02 | — | — | 3 | — | 0·015 | — | — |
| 5885 | Twin Tetrode | 1·25 | 0·02 | 13·5 | 0·185 | — | — | 3 | — | 0·16 | — | — |

| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra (kΩ) | gm (mA/V) | Anode Load Ω | Output (mW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | |
| 5886 | Pentode | 1·25 | 0·01 | 10·5 | 0·2 | — | — | 3 | — | 0·16 | — | — |
| 5889 | Pentode | 1·25 | 0·007 | 12 | 0·005 | 4·5 | 0·005 | 2 | 18000 | 0·014 | — | — |
| 5896 | Twin Diode | 6·3 | 0·3 | 460 V. P.I.V. D.C.I. = 10 mA. | | | | | | | | |
| 5897 | Triode | 6·3 | 0·15 | 100 | 8·5 | — | — | 150* | 4·5 | 5·8 | — | — |
| 5898 | Triode | 6·3 | 0·15 | 150 | 1·7 | — | — | 680* | 26 | 2·7 | — | — |
| 5899 | Pentode | 6·3 | 0·15 | 100 | 7·2 | 100 | 2·2 | 120* | 260 | 4·5 | — | — |
| 5900 | Pentode | 6·3 | 0·15 | 100 | 7·2 | 100 | 2·2 | 120* | 260 | 4·5 | — | — |
| 5901 | Pentode | 6·3 | 0·15 | 100 | 7·5 | 100 | 2·4 | 150* | 230 | 5·0 | — | — |
| 5902 | L.F. Pentode | 6·3 | 0·45 | 110 | 30·0 | 110 | 2·2 | 270* | 15 | 4·2 | 3000 | 1000 |
| 5903 | Twin Diode | 26·5 | 0·075 | 460 V. P.I.V. D.C.I. = 10 mA. | | | | | | | | |
| 5904 | Triode | 26·5 | 0·045 | 26·5 | 3·0 | — | — | — | 3·8 | 5·0 | — | — |
| 5905 | Pentode | 26·5 | 0·045 | 26·5 | 2·3 | 26·5 | 0·9 | — | 110 | 2·85 | — | — |
| 5906 | Pentode | 26·5 | 0·045 | 100 | 7·5 | 100 | 2·4 | 150* | 230 | 5·0 | — | — |
| 5907 | Pentode | 26·5 | 0·045 | 26·5 | 2·7 | 26·5 | 1·1 | — | 125 | 3·0 | — | — |
| 5908 | Pentode | 26·5 | 0·045 | 26·5 | 2·3 | 26·5 | 1·8 | — | 30 | 1·75 | — | — |
| 5916 | Pentode | 26·5 | 0·045 | 100 | 4·4 | 100 | 3·4 | 150* | 130 | 3·0 | — | — |
| 5935 | Diode | 6·3 | 0·15 | Detector | | | | | | | | |
| 5950 | Voltage Reg. | — | — | 730 V. Starting. 700 V. Operating. 2 to 50 μA. Operating Current. | | | | | | | | |
| 5967 | Twin Triode | 1·25 | 0·12 | 45 | 3·5 | — | — | — | 7·4 | 2·3 | — | — |
| 5968 | Twin Triode | 1·25 | 0·12 | 45 | 0·7 | — | — | 0 | 34·6 | 1·3 | — | — |
| 5969 | Twin Tetrode | 1·25 | 0·2 | 135 | 7·5 | 45 | 0·4 | 1 | — | 1·85 | — | — |
| 5970 | Twin Pentode | 1·25 | 0·16 | 45 | 3·0 | 45 | 0·9 | — | 170 | 1·85 | — | — |
| 5971 | Triode | 1·25 | 0·08 | 135 | 5·6 | — | — | 2·5 | 9·2 | 2·5 | — | — |
| 5972 | Pentode | 1·25 | 0·06 | 67·5 | 1·9 | 67·5 | 0·5 | — | 1000 | 1·15 | — | — |
| 5975 | Triode | 6·3 | 0·175 | 200 | 12·5 | — | — | 680* | 4 | 4·0 | — | — |
| 5977 | Triode | 6·3 | 0·15 | 100 | 10·0 | — | — | 270* | 3·55 | 4·5 | — | — |
| 5987 | Triode | 6·3 | 0·45 | 100 | 9·0 | — | — | 18 | 2·2 | 1·85 | — | — |
| 5995 | Rectifier | 6·3 | 0·3 | 850 V. P.I.V. D.C.I. = 45 mA. | | | | | | | | |
| 5997 | Triode | 6·3 | 0·15 | 100 | 10·0 | — | — | 270* | 3·4 | 4·5 | — | — |
| 6007 | L.F. Pentode | 1·25 | 0·013 | 22·5 | 0·45 | 22·5 | 0·1 | 0·2 | 400 | 0·42 | 100000 | 1·8 |
| 6008 | Pentode | 0·625 | 0·013 | 22·5 | 0·05 | 18 | 0·01 | 1·15 | 4000 | 0·1 | — | — |
| 6021 | Twin Triode | 6·3 | 0·3 | 100 | 6·5 | — | — | 150* | 6·45 | 5·4 | — | — |
| 6026 | Triode | 6·3 | 0·2 | 100 | 12·0 | — | — | — | 4 | 5·9 | — | — |
| 6029 | Triode | 1·25 | 0·2 | 90 | 11·0 | — | — | 4 | 4·25 | 2·0 | — | — |
| 6050 | Triode | 1·25 | 0·12 | 135 | 4·0 | — | — | 5 | 10 | 1·6 | — | — |
| 6051 | L.F. Pentode | 1·25 | 0·1 | 45 | 3·0 | 45 | 0·9 | 4 | 35 | 1·2 | 20000 | 50 |
| 6052 | Rectifier | 6·3 | 0·3 | 460 P.I.V. D.C.I. = 10 mA. | | | | | | | | |
| 6053 | Rectifier | 26·5 | 0·075 | 450 P.I.V. D.C.I. = 10 mA. | | | | | | | | |
| 6055 | Triode | 26·5 | 0·045 | 26·5 | 3·0 | — | — | — | 3·8 | 5·0 | — | — |
| 6056 | Pentode | 26·5 | 0·045 | 26·5 | 2·7 | 26·5 | 1·1 | — | 125 | 3·0 | — | — |
| 6088 | L.F. Pentode | 1·25 | 0·02 | 22·5 | 0·3 | 22·5 | 0·08 | 0 | — | 0·45 | — | 1·2 |
| 6092 | L.F. Pentode | 1·25 | 0·05 | 67·5 | 2·9 | 67·5 | 0·8 | 6·5 | — | 0·75 | 20000 | 80 |
| 6110 | Rectifier | 6·3 | 0·15 | 150 V. RMS D.C.I. = 8 mA. 460 P.I.V. | | | | | | | | |
| 6111 | Twin Triode | 6·3 | 0·3 | 100 | 8·5 | — | — | 8·5 | 4·2 | 4·75 | — | — |
| 6112 | Twin Triode | 6·3 | 0·3 | 150 | 1·75 | — | — | 3·7 | 28 | 2·5 | — | — |
| 6147 | L.F. Pentode | 2·5 | 0·06 | 125 | 5·5 | 125 | 0·9 | 7·5 | 175 | 1·6 | — | — |
| | | 1·2 | 0·12 | | | | | | | | | |
| 6148 | Pentode | 6·3 | 0·2 | 120 | 7·5 | 120 | 2·5 | 200* | 340 | 5·0 | — | — |
| 6149 | Triode | 6·3 | 0·2 | 120 | 9·0 | — | — | 200* | 5 | 5·0 | — | — |
| 6150 | Pentode | 6·3 | 0·2 | 120 | 5·2 | 120 | 3·5 | 2 | 17·5 | 3·2 | — | — |
| 6151 | Triode | 6·3 | 0·2 | 250 | 4·0 | — | — | 500* | 17·5 | 4·0 | — | — |
| 6152 | Triode | 6·3 | 0·2 | 200 | 12·5 | — | — | 680* | 4 | 4·0 | — | — |
| 6169 | Triode | 6·3 | 0·15 | 180 | 11·5 | — | — | 1 | 8·5 | 6·5 | — | — |
| 6176 | Pentode | 6·3 | 0·2 | 120 | 7·5 | 120 | 2·6 | 10 | — | 5·0 | — | — |
| 6184 | Rectifier | 6·3 | 0·15 | 150 V. RMS D.C.I. = 16 mA. 450 P.I.V. | | | | | | | | |
| 6190 | Triode | 6·3 | 0·2 | 250 | 4·0 | — | — | 500* | — | 5·0 | — | — |
| 6191 | Pentode | 6·3 | 0·2 | 120 | 5·2 | 120 | 3·5 | 2 | 17·5 | 4·0 | — | — |
| 6192 | Triode | 6·3 | 0·2 | 120 | 9·0 | — | — | 200* | — | 3·2 | — | — |
| 6193 | Twin Triode | 6·3 | 0·3 | 180 | 11·5 | — | — | 1 | 8·5 | 6·5 | — | — |
| 6195 | Pentode | 2·5 | 0·11 | 125 | 9·0 | 125 | 1·5 | 7·5 | 120 | 2·1 | — | — |
| | | 1·25 | 0·22 | | | | | | | | | |
| 6213 | Voltage Reg. | — | — | 200 V. Starting 127 to 133 V. Operating. 1 to 2·5 mA. Operating Current. | | | | | | | | |
| CK500 | Pentode | 0·75 | 0·05 | 45 | 0·5 | 45 | 0·2 | 0 | 1000 | 0·25 | — | — |
| CK511X | Pentode | 1·25 | 0·05 | 45 | 0·24 | 45 | 0·2 | 0 | 220 | 0·22 | — | — |
| CK516AX | Triode | 0·625 | 0·02 | 22·5 | 0·15 | — | — | 0·625 | 50 | 0·2 | — | — |
| CK518AX | L.F. Pentode | 1·25 | 0·03 | 45 | 0·8 | 45 | 0·25 | 2 | 350 | 0·55 | 50000 | 9·5 |
| CK523AX | L.F. Pentode | 1·25 | 0·03 | 22·5 | 0·3 | 22·5 | 0·075 | 1·2 | — | 0·36 | — | 2·2 |
| CK524AX | L.F. Pentode | 1·25 | 0·03 | 15 | 0·45 | 15 | 0·125 | 1·75 | 200 | 0·3 | 30000 | 2·2 |
| CK525AX | L.F. Pentode | 1·25 | 0·02 | 22·5 | 0·25 | 22·5 | 0·06 | 1·2 | 330 | 0·325 | 60000 | 2·3 |
| CK526AX | L.F. Pentode | 1·25 | 0·02 | 22·5 | 0·45 | 22·5 | 0·12 | 1·5 | 220 | 0·4 | 50000 | 3·75 |

# SUB-MINIATURE VALVES—*Contd.*

| Type | | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra (kΩ) | gm (mA/V) | Anode Load Ω | Output (mW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | |
| CK527AX | L.F. Pentode | 1·25 | 0·015 | 22·5 | 0·1 | 22·5 | 0·025 | 0 | 1800 | 0·225 | 300000 | 0·75 |
| CK528AX | L.F. Pentode | 1·25 | 0·02 | 22·5 | 0·3 | 22·5 | 0·08 | 0 | 600 | 0·45 | 200000 | 1·2 |
| CK529AX | L.F. Pentode | 1·25 | 0·02 | 15 | 0·32 | 15 | 0·075 | 1·25 | 300 | 0·35 | 50000 | 1·6 |
| CK531DX | L.F. Pentode | 1·25 | 0·02 | 15 | 0·3 | 15 | 0·09 | 1·5 | 250 | 0·275 | 60000 | 1·6 |
| CK532DX | L.F. Pentode | 1·25 | 0·015 | 22·5 | 0·4 | 22·5 | 0·125 | 0 | 180 | 0·45 | 100000 | 1·8 |
| CK533AX | L.F. Pentode | 1·25 | 0·015 | 22·5 | 0·36 | 22·5 | 0·09 | 0 | 500 | 0·4 | 75000 | 1·8 |
| CK534AX | Pentode | 0·625 | 0·015 | 15 | 0·0047 | 15 | 0·0014 | 0·625 | 12000 | 0·02 | — | — |
| CK535AX | L.F. Pentode | 1·25 | 0·02 | 15 | 0·32 | 15 | 0·075 | 1·25 | 300 | 0·35 | 50000 | 1·6 |
| CK536AX | L.F. Pentode | 1·25 | 0·015 | 22·5 | 0·36 | 22·5 | 0·09 | 0 | 500 | 0·4 | 75000 | 1·8 |
| CK537AX | L.F. Pentode | 1·25 | 0·02 | 22·5 | 0·45 | 22·5 | 0·12 | 1·5 | 220 | 0·4 | 50000 | 3·75 |
| CK538DX | Pentode | 0·625 | 0·015 | 15 | 0·0046 | 15 | 0·002 | 0·625 | 10000 | 0·018 | — | — |
| CK539DX | L.F. Pentode | 1·25 | 0·015 | 22·5 | 0·25 | 22·5 | 0·075 | 1·4 | 250 | 0·3 | 100000 | 2·2 |
| CK541DX | L.F. Pentode | 1·25 | 0·015 | 30 | 0·25 | 30 | 0·075 | 0 | 500 | 0·425 | 200000 | 1·4 |
| CK542DX | L.F. Pentode | 1·25 | 0·015 | 22·5 | 0·425 | 22·5 | 0·13 | 2 | 150 | 0·325 | 50000 | 3·75 |
| CK543AX | Pentode | 0·625 | 0·015 | 15 | 0·005 | 15 | 0·002 | 0·625 | 5000 | 0·015 | — | — |
| CK544AX | L.F. Pentode | 1·25 | 0·01 | 30 | 0·135 | 30 | 0·035 | 0 | 1200 | 0·325 | 200000 | 5·25 |
| CK545DX | Pentode | 0·625 | 0·0075 | 15 | 0·0046 | 15 | 0·002 | 0·625 | 12000 | 0·016 | — | — |
| CK546DX | L.F. Pentode | 1·25 | 0·01 | 22·5 | 0·375 | 22·5 | 0·085 | 0 | 200 | 0·425 | 100000 | 1·75 |
| CK547DX | L.F. Pentode | 1·25 | 0·01 | 30 | 0·24 | 30·0 | 0·06 | 0 | 500 | 0·425 | 200000 | 1·35 |
| CK548DX | L.F. Pentode | 1·25 | 0·01 | 22·5 | 0·24 | 22·5 | 0·06 | 1·4 | 250 | 0·3 | 100000 | 2·1 |
| CK549DX | Pentode | 0·625 | 0·01 | 15 | 0·005 | 15 | 0·002 | 0·625 | 12000 | 0·017 | — | — |
| CK570AX | Triode | 0·625 | 0·02 | 22·5 | 0·2 | — | — | 3 | 50000 | — | — | — |
| CK571AX | Triode | 1·25 | 0·01 | 10·5 | 0·2 | — | — | 3 | — | — | — | — |
| CK573AX | Triode | 1·25 | 0·2 | 135 | 14 | — | — | 7·5 | — | 2·0 | — | — |
| CK574AX | Pentode | 0·625 | 0·02 | 22·5 | 0·125 | 22·5 | 0·04 | 0·625 | 1250 | 0·16 | — | — |
| CK605AX | Pentode | 6·3 | 0·2 | 120 | 7·5 | 120 | 2·5 | 2 | — | 5·0 | — | — |
| CK623CX | Pentode | 6·3 | 0·2 | 120 | 7·5 | 120 | 2·5 | 200* | 340 | 5·0 | — | — |
| CK624AX | Pentode | 6·3 | 0·2 | 120 | 5·2 | 120 | 3·5 | 2 | — | 3·0 | — | — |
| CK1036 | Rectifier | — | — | 1500 P.I.V. D.C.I. = 0·1 mA. | | | | | | | | |
| CK1037 | Voltage Reg. | — | — | 730 V. Starting. 700 V. Operating. 5 to 100 μA. Operating Current. | | | | | | | | |
| CK1038 | Voltage Reg. | — | — | 930 V. Starting. 900 V. Operating. 5 to 55 μA. Operating Current. | | | | | | | | |
| CK1039 | Voltage Reg. | — | — | 1230 V. Starting. 1200 V. Operating. 5 to 100 μA. Operating Current. | | | | | | | | |
| CK1042 | Rectifier | — | — | 2800 P.I.V. D.C.I. 8·0 m A. | | | | | | | | |
| CK1089 | Thyratron | — | — | 225 V. | 15 mA. | Average | | | | | | |
| DAF70 | Diode Pen. | 1·25 | 0·025 | 90 | 0·6 | 90 | 0·2 | 2·3 | 200 | 0·45 | — | — |
| DC70 | Triode | 1·25 | 0·2 | 150 | 12 | — | — | 4·5 | 4 | 3·4 | — | — |
| DF64 | Pentode | 0·625 | 0·01 | 15 | 0·075 | 15 | 0·025 | 0·62 | 1000 | 0·115 | — | — |
| DF65 | Pentode | 0·625 | 0·013 | 22·5 | 0·05 | 18 | 0·01 | 1·15 | 4000 | 0·1 | — | — |
| DF67 | Pentode | 0·625 | 0·013 | 22·5 | 0·05 | 18 | 0·01 | 1·15 | 4000 | 0·1 | — | — |
| DF72 | Pentode | 1·25 | 0·025 | 67·5 | 1·7 | 67·5 | 0·75 | 0 | 650 | 1·0 | — | — |
| DF73 | Pentode | 1·25 | 0·025 | 67·5 | 1·7 | 67·5 | 0·05 | 0 | 450 | 0·8 | — | — |
| DL64 | L.F. Pentode | 1·25 | 0·01 | 15 | 0·157 | 15 | 0·39 | 1·5 | 390 | 0·117 | — | — |
| DL65 | L.F. Pentode | 1·25 | 0·013 | 22·5 | 0·45 | 22·5 | 0·1 | 0·2 | 400 | 0·42 | 100000 | 1·8 |
| DL67 | L.F. Pentode | 1·25 | 0·013 | 22·5 | 0·45 | 22·5 | 0·1 | 0·2 | 400 | 0·42 | 100000 | 1·8 |
| DL70 | L.F. Pentode | 1·25 | 0·1 | 150 | 7 | 90 | 1·2 | 8·5 | — | 1·0 | — | 630 |
| DL73 | L.F. Pentode | 1·25 | 0·11 | 100 | 15 | 100 | 3·8 | 9 | — | 2·3 | — | — |
| DL75 | L.F. Pentode | 1·25 | 0·025 | 90 | 1·3 | 90 | 0·3 | 3 | 500 | 0·67 | 60000 | 47 |
| DM70/71 | Tuning Ind. | 1·4 | 0·025 | 90 | 0·25 | Target | — | 13·5 | — | — | — | — |
| DY70 | Rectifier | 1·25 | 0·14 | 10000 V. P.I.V. D.C.I. = 2 mA. | | | | | | | | |
| EA76 | Diode | 6·3 | 0·15 | 150 V. RMS D.C.I. = 9 mA. Detector. | | | | | | | | |
| EC53 | Triode | 6·3 | 0·25 | 200 | 7·5 | — | — | 3·3 | 11·5 | 2·9 | — | — |
| EC70 | Triode | 6·3 | 0·15 | 200 | 11·5 | — | — | 680* | 4·65 | 3·45 | — | — |
| EF70 | Pentode | 6·3 | 0·2 | 100 | 3 | 100 | 2·3 | 2 | 100 | 2·75 | — | — |
| EF71 | Pentode | 6·3 | 0·15 | 100 | 7·2 | 100 | 2·2 | 1·2 | 260 | 4·5 | — | — |
| EF72 | Pentode | 6·3 | 0·15 | 100 | 7 | 100 | 2·2 | 1·4 | 250 | 5·0 | — | — |
| EF73 | Pentode | 6·3 | 0·2 | 100 | 7·5 | 100 | 2·5 | 2 | 250 | 5·0 | — | — |
| EL70 | L.F. Pentode | 6·3 | 0·45 | 100 | 31 | 100 | 2·2 | 9 | 15 | 5·0 | 3000 | 1250 |
| ET3 | Triode | 1·25 | 0·025 | 9 | 0·1 | — | — | 4 | E'meter | 0·07 | — | — |
| EY70 | Rectifier | 6·3 | 0·45 | 300 V. RMS D.C.I. = 45 mA. | | | | | | | | |
| LG14 | Diode | 6·3 | 0·145 | 200 V. RMS D.C.I. = 5 mA. | | | | | | | | |
| ME1401 | Triode | 1·25 | 0·013 | 9 | 0·1 | — | — | 2·5 | — | 0·08 | Electrometer | |
| ME1402 | Tetrode | 1·25 | 0·013 | 4·5 | 0·01 | −3 | — | +1 | — | 0·01 | Electrometer | |
| RG2D1 | Diode | 1·9 | 0·055 | 70 V. RMS D.C.I. = 3 mA. | | | | | | | | |
| SN946B | Rectifier | 6·3 | 0·15 | 150 V. RMS D.C.I. = 9 mA. | | | | | | | | |
| SN947D | L.F. Pentode | 6·3 | 0·45 | 100 | 31 | 100 | 2·2 | 9 | 15 | 5·0 | 3000 | 1250 |
| SN948C | Voltage Reg. | — | — | 133 V. Starting. 95 V. Operating. 5 to 25 mA. Operating Current. | | | | | | | | |
| SN953A | Pentode | 6·3 | 0·45 | 200 | 14 | 150 | 4·0 | 100* | 120 | 10·0 | — | — |
| SN953D | Pentode | 6·3 | 0·45 | 150 | 20 | 100 | 7·5 | — | 50 | 9·0 | Video Amp. | |
| SN956B | Rectifier | 1·25 | 0·14 | 10000 V. P.I.V. D.C.I. = 2 mA. | | | | | | | | |
| SN1016 | Pentode | 6·3 | 0·15 | 100 | 7·5 | 100 | 3·0 | 150* | 200 | 5·0 | — | — |
| SN1039A | Pentode | 6·3 | 0·15 | 100 | 7 | 100 | 2·2 | 150* | 300 | 5·0 | — | — |
| X8066 | Pentode | 6·3 | 0·2 | 100 | 7 | 100 | 2·2 | — | 180 | 3·0 | — | — |

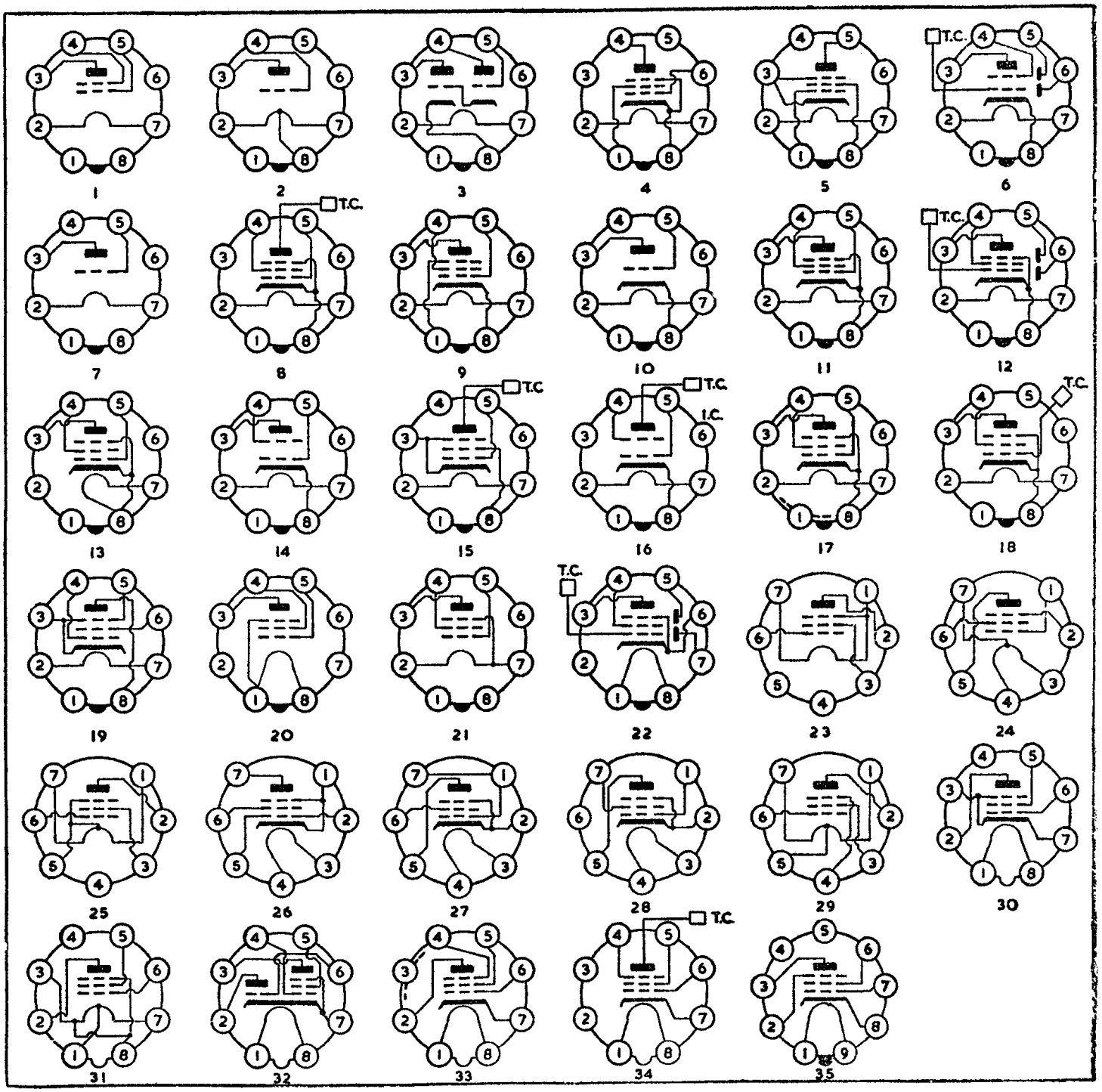
| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | Anode Load Ω | Output W | Dis. % | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | | | Type | Ref. | |
| DL11 | 1·25 | 0·05 | 120 | 4·7 | 120 | 0·85 | 6·0 | 500·0 | 1·1 | 22000 | 0·35 | — | G8A | 1 | European |
| ECL11 | 6·3 | 1·0 | 250 | 36·0 | 250 | 4·0 | 6·0 | 25·0 | 9·0 | 7000 | 3·8 | — | | 2 | European |
| EDD11 | 6·3 | 0·4 | 250 | 7·0 | — | — | 6·3 | — | — | 16000 | 5·5 | — | | 3 | European |
| EDD111 | 6·3 | 0·4 | 250 | 9·0 | — | — | 8·0 | 8·0 | 2·3 | — | — | — | | 4 | European |
| EL11 | 6·3 | 0·9 | 250 | 36·0 | 250 | 4·0 | 6·0 | 50·0 | 9·0 | 7000 | 4·5 | — | | 5 | European |
| EL12 | 6·3 | 1·2 | 250 | 72·0 | 250 | 8·0 | 7·0 | 25·0 | 15·0 | 3500 | 8·0 | — | | 5 | European |
| EL12 Spez | 6·3 | 1·2 | 425 | 72·0 | 425 | 8·0 | 7·0 | 50·0 | 10·0 | 3500 | 8·0 | — | | 6 | European |
| EL12/375 | 6·3 | 1·2 | 375 | 72·0 | 250 | 8·0 | 7·0 | 25·0 | 15·0 | 3500 | 8·0 | — | | 5 | European |
| EL13 | 6·3 | 0·5 | 250 | 20·0 | 250 | 3·2 | 7·5 | 60·0 | 5·5 | 12500 | 2·0 | — | | 5 | European |
| EL112 | 6·3 | 0·8 | 300 | 130·0 | 250 | 20·0 | 24·0 | 10·0 | 6·5 | — | 18·0 | — | | 5 | European |
| EL150 | 6·3 | 1·2 | 350 | 110·0 | 350 | 14·0 | 50·0 | 12·0 | 5·0 | — | — | — | | 5 | European |
| UCL11 | 60·0 | 0·1 | 200 | 45·0 | 200 | 6·0 | 8·5 | 18·0 | 9·0 | 4500 | 4·0 | — | | 2 | European |
| UEL11 | 48·0 | 0·1 | 200 | 22·0 | 200 | 4·0 | 6·0 | 30·0 | 5·0 | 9000 | 2·0 | — | | 7 | European |
| UL11 | 45·0 | 0·1 | 200 | 45·0 | 200 | 7·5 | 14·0 | 20·0 | 9·0 | 4000 | 4·2 | — | | 5 | European |
| UL12 | 60·0 | 0·1 | 200 | 75·0 | 125 | 9·0 | 8·0 | 12·0 | 12·0 | 2000 | 5·2 | — | | 5 | European |
| VCL11 | 90·0 | 0·05 | 200 | 12·0 | 200 | 1·3 | 4·5 | 60·0 | 5·0 | 17000 | 1·2 | — | | 2 | European |
| VEL11 | 90·0 | 0·05 | 200 | 22·0 | 200 | 4·0 | 6·0 | 30·0 | 5·2 | 9000 | 2·0 | — | | 7 | European |
| EEL171 | 6·3 | 1·0 | 250 | 40·0 | 250 | 6·0 | 12·0 | 17·0 | 9·0 | 4000 | 4·0 | — | G8G | 8 | European |
| EL171 | 6·3 | 0·9 | 250 | 40·0 | 250 | 6·0 | 12·0 | 17·0 | 9·0 | 4000 | 4·5 | — | | 9 | European |
| EL172 | 6·3 | 1·2 | 250 | 72·0 | 250 | 8·0 | 7·0 | 30·0 | 15·0 | 3000 | 8·0 | — | | 9 | European |
| UEL171 | 65·0 | 0·1 | 200 | 50·0 | 200 | 8·0 | 8·0 | 17·0 | 9·0 | 4000 | 4·5 | — | | 8 | European |
| UL171 | 55·0 | 0·1 | 200 | 50·0 | 200 | 8·0 | 8·0 | 17·0 | 9·0 | 4000 | 4·5 | — | | 9 | European |
| UL172 | 80·0 | 0·1 | 200 | 90·0 | 200 | 10·0 | 9·0 | 20·0 | 15·0 | 2500 | 8·0 | — | | 9 | European |
| EL151 | 6·3 | 1·9 | 450 | 120·0 | 450 | 20·0 | 27·5 | 15·0 | 14·0 | 5000 | 60·0 | 6·0 | G10A | 11 | European |
| EL156 | 6·3 | 1·9 | 450 | 112·0 | 280 | 27·0 | 90* | 25·0 | 10·0 | 3800 | 25·0 | 9·0 | | 17 | European |
| UEL51 | 62·0 | 0·1 | 200 | 44·0 | 200 | 8·5 | 8·4 | — | 9·0 | 4500 | 4·0 | 9·5 | | 10 | European |
| EL152 | 6·3 | 1·5 | 1000 | 40·0 | 300 | 16·0 | — | — | 4·0 | — | 85·0 | — | G10G | 12 | European |
| EL153 | 6·3 | 1·5 | 1000 | 40·0 | 300 | 16·0 | — | — | 3·7 | — | 85·0 | — | | 13 | European |
| DDD41W | 1·2 | 0·1 | 90 | 2·4 | — | — | 4·0 | — | 1·0 | 18000 | 0·8 | — | WC8 | 14 | European |
| DL41W | 1·2 | 0·05 | 120 | 5·0 | 120 | 1·0 | 6·0 | 500·0 | 1·6 | 22000 | 0·4 | — | | 15 | European |
| CABL21 | 42·0 | 0·2 | 200 | 45·0 | 100 | 5·8 | 9·5 | 22·0 | 8·0 | 4500 | 4·0 | — | G9 | 16 | European |



# OUTPUT VALVES—*Contd.*

| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | Anode Load Ω | Output W | Dis. % | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | | | Type | Ref. | |
| 1G5 | 2·0 | 0·12 | 135 | 8·7 | 135 | 2·5 | 13·5 | 160·0 | 1·55 | 9000 | 0·55 | — | I.O. | 1 | U.S.A. |
| 1L5 | 2·0 | 0·24 | 180 | 9·5 | 180 | 2·3 | 6·0 | 137·0 | 2·4 | 15000 | 0·75 | — | | 1 | U.S.A. |
| 1T | 2·8 / 1·4 | 0·05 / 0·1 | 90 | 9·9 | 90 | 1·4 | 4·5 | 128·0 | 2·1 | 8000 | 0·27 | 7·5 | | 2 | European |
| 6AC6 | 6·3 | 1·1 | 180 | 45·0 | 180 | 7·0 | 0 | 18·0 | 3·0 | 3500 | 3·6 | — | | 3 | U.S.A. |
| 6AH5 | 6·3 | 0·9 | 350 | 54·0 | 250 | 2·5 | 18·0 | 33·0 | 5·2 | 4200 | 10·8 | — | | 4 | U.S.A. |
| 6AU5 | 6·3 | 1·25 | 315 | 59·0 | 150 | 9·0 | 250* | Line Time Base Amplifier | | | | | | 5 | U.S.A. |
| 6AV5 | 6·3 | 1·2 | 250 | 55·0 | 150 | 2·1 | 22·5 | — | 5·8 | Line Time Base Amplifier | | | | 5 | U.S.A. |
| 6AY8 | 6·3 | 1·25 | 250 | 52·0 | 100 | 1·5 | 5·0 | 20·0 | 9·5 | 7000 | 4·0 | 7·0 | I.O. | 6 | European |
| 6B4 | 6·3 | 1·0 | 250 | 60·0 | — | — | 45·0 | 0·8 | 5·2 | 2500 | 3·2 | 5·0 | | 7 | U.S.A. |
| 6BD5 | 6·3 | 0·9 | 310 | — | 310 | (Max. Ik=100 MA.) = 100 mA) Line Time Base Amplifier | | | | | | | I.O. | 5 | U.S.A. |
| 6BQ6 | 6·3 | 1·2 | 250 | 55·0 | 150 | 2·1 | 22·5 | — | 5·5 | Line Time Base Amplifier | | | I.O. | 8 | U.S.A. |
| 6BY8 | 6·3 | 1·25 | 250 | 44·0 | 250 | 2·4 | 4·0 | 100·0 | 12·0 | 6000 | 4·5 | 9·0 | | 6 | European |
| 6CA7 | 6·3 | 1·5 | 265 | 100·0 | 250 | 14·0 | 13·5 | 15·0 | 11·0 | 2000 | 12·0 | 10·0 | | 9 | U.S.A. |
| 6D5 | 6·3 | 0·7 | 275 | 71·0 | — | — | 40·0 | 2·3 | 2·1 | 7200 | 1·4 | — | | 10 | U.S.A. |
| 6PX6 | 6·3 | 0·9 | 250 | 35·0 | 250 | 5·0 | 6·0 | 65·0 | 9·0 | 6000 | 4·5 | — | | 11 | European |
| 6PZ8 | 6·3 | 1·25 | 250 | 35·0 | 250 | 5·0 | 6·0 | 65·0 | 9·2 | 6000 | 4·5 | — | | 12 | European |
| 6V5 | 6·3 | 0·45 | 250 | 45·0 | 250 | 4·5 | 12·5 | — | — | — | 4·5 | — | | 13 | U.S.A. |
| 12V6 | 12·6 | 0·225 | 250 | 47·0 | 250 | 7·0 | 12·5 | 52·0 | 4·1 | 5000 | 4·5 | 8·0 | | 11 | U.S.A. |
| 20P3 | 20·0 | 0·2 | 195 | 51·0 | 210 | 12·7 | 11·5 | — | 7·4 | 3700 | 4·5 | 7·0 | | 14 | Mazda |
| 20P4 | 38·0 | 0·2 | 400 | — | 250 | (Max. Ik=100 MA.) Line Time Base Amplifier | | | | | | | | 16 | U.S.A. |
| 25AC5 | 25·0 | 0·3 | 110 | 45·0 | — | — | +15 | 15·2 | 3·8 | 2000 | 2·0 | — | | 10 | U.S.A. |
| 25AV5 | 25·0 | 0·3 | 250 | 45·0 | 150 | 2·1 | 22·5 | — | 5·8 | Line Time Base Amplifier | | | | 5 | U.S.A. |
| 25CD6 | 25·0 | 0·6 | 200 | 64·0 | 150 | 3·0 | 30·0 | Line Time Base Amplifier | | | | — | | 15 | U.S.A. |
| 25W6 | 25·0 | 0·3 | 110 | 50·0 | 110 | 10·0 | 7·5 | 130·0 | 8·0 | 2000 | 2·1 | — | | 11 | U.S.A. |
| 26BQ6 | 25·0 | 0·3 | 250 | 55·0 | 150 | 2·1 | 22·5 | — | 5·8 | Line Time Base Amplifier | | | | 16 | U.S.A. |
| 50CD6 | 50·0 | 0·3 | 200 | 64·0 | 150 | 3·0 | 30·0 | Line Time Base Amplifier | | | | — | I.O. | 15 | U.S.A. |
| 1611 | 6·3 | 0·7 | 285 | 38·0 | 285 | 12·0 | 20·0 | 78·0 | 2·5 | 7000 | 4·8 | 9·0 | | 11 | U.S.A. |
| 1613 | 6·3 | 0·7 | 285 | 38·0 | 285 | 12·0 | 20·0 | 78·0 | 2·5 | 7000 | 4·8 | 9·0 | | 17 | U.S.A. |
| 1614 | 6·3 | 0·9 | 350 | 66·0 | 250 | 7·0 | 18·0 | 33·0 | 5·2 | 4200 | 10·8 | 15·0 | | 11 | U.S.A. |
| 1621 | 6·3 | 0·7 | 285 | 38·0 | 285 | 12·0 | 20·0 | 78·0 | 2·5 | 7000 | 4·8 | 9·0 | | 17 | U.S.A. |
| 1622 | 6·3 | 0·9 | 350 | 66·0 | 250 | 7·0 | 18·0 | 33·0 | 5·2 | 4200 | 10·8 | 15·0 | | 11 | U.S.A. |
| 1624 | 2·5 | 2·0 | 300 | 45·0 | 250 | 5·0 | 10·0 | — | 4·5 | 8800 | 3·0 | — | | 14 | U.S.A. |
| 1631 | 12·6 | 0·45 | 350 | 66·0 | 250 | 7·0 | 18·0 | 33·0 | 5·2 | 4200 | 10·8 | 15·0 | | 11 | U.S.A. |
| 1632 | 12·6 | 0·6 | 200 | 55·0 | 110 | 7·0 | 8·0 | 30·0 | 9·5 | 3000 | 4·3 | 10·0 | | 11 | U.S.A. |
| 1637 | 6·3 | 0·2 | 250 | 32·0 | 250 | 5·0 | 18·0 | 70·0 | 2·8 | 8000 | 3·6 | 10·0 | | 18 | U.S.A. |
| 5603 | 6·3 | 0·5 | 135 | 50·0 | 135 | 4·0 | 230* | 17·0 | 5·4 | 2500 | 2·2 | — | | 19 | U.S.A. |
| 5659 | 12·6 | 0·15 | 250 | 32·0 | 250 | 5·5 | 12·5 | — | — | 7500 | 3·4 | — | | 17 | U.S.A. |
| 5824 | 25·0 | 0·3 | 135 | 61·0 | 135 | 2·5 | 22·0 | 15·0 | 5·0 | 1700 | 4·3 | — | | 11 | U.S.A. |
| 5871 | 6·3 | 0·45 | 315 | 34·0 | 225 | 2·2 | 13·0 | 77·0 | 3·75 | 8500 | 5·5 | — | | 11 | U.S.A. |
| 5881 | 6·3 | 0·9 | 350 | 53·0 | 250 | 2·5 | 18·0 | 48·0 | 5·2 | 4200 | 11·3 | — | | 11 | U.S.A. |
| 5932 | 6·3 | 0·9 | 350 | 66·0 | 250 | 7·0 | 18·0 | 33·0 | 5·2 | 4200 | 10·8 | 15·0 | | 11 | U.S.A. |
| 5992 | 6·3 | 0·6 | 250 | 47·0 | 250 | 7·0 | 12·5 | 45·0 | 4·0 | 5000 | 4·0 | 8·0 | | 11 | U.S.A. |
| 6046 | 25·0 | 0·3 | 200 | 55·0 | 110 | 7·0 | 8·0 | 30·0 | 9·5 | 3000 | 4·3 | 10·0 | | 11 | U.S.A. |
| DL21 | 1·4 | 0·05 | 120 | 5·0 | 120 | 0·9 | 4·8 | 350·0 | 1·4 | 24000 | 0·27 | 10·0 | | 20 | European |
| DL36 | 1·4 | 0·1 | 90 | 9·5 | 90 | 1·3 | 4·5 | 75·0 | 2·2 | 8000 | 0·27 | 6·0 | | 21 | European |
| EL34 | 6·3 | 1·5 | 265 | 100·0 | 250 | 14·0 | 13·5 | 15·0 | 11·0 | 2000 | 12·0 | 10·0 | | 9 | Mul.-Eupn. |
| UBL1 | 55·0 | 0·1 | 200 | 55·0 | 200 | 11·0 | 11·5 | 20·0 | 8·5 | 3500 | 5·2 | 10·0 | | 22 | European |
| 1W4 | 1·4 | 0·05 | 90 | 5·0 | 90 | 1·0 | 9·0 | 250·0 | 0·9 | 12000 | 0·2 | — | B7G | 23 | U.S.A. |
| 2E30 | 6·0 / 3·0 | 0·65 / 1·3 | 250 | 40·0 | 250 | 3·3 | 20·0 | 63·0 | 3·7 | 4500 | 4·5 | — | | 24 | U.S.A. |
| 3C4 | 2·8 / 1·4 | 0·025 / 0·05 | 85 | 5·0 | 85 | 1·0 | 5·2 | — | 1·4 | 14000 | 0·2 | — | | 25 | U.S.A. |
| 3E5 | 2·8 / 1·4 | 0·025 / 0·05 | 90 | 8·0 | 90 | 1·6 | 7·0 | 100·0 | 1·55 | 8000 | 0·25 | — | | 25 | U.S.A. |
| 6AS5 | 6·3 | 0·8 | 150 | 36·0 | 110 | 6·5 | 8·5 | — | 5·6 | 4500 | 2·2 | 10·0 | | 26 | U.S.A. |
| 6BF5 | 6·3 | 1·2 | 110 | 49·0 | 110 | 4·0 | 7·5 | 10·0 | 7·5 | 2500 | 1·9 | — | | 27 | U.S.A. |
| 6BJ5 | 6·3 | 0·64 | 250 | 35·0 | 250 | 5·5 | 5·0 | 46·0 | 10·5 | 7000 | 4·0 | — | | 28 | U.S.A. |
| 6BM5 | 6·3 | 0·45 | 250 | 30·0 | 250 | 3·0 | 6·0 | 60·0 | 7·0 | 7000 | 3·5 | — | | 27 | U.S.A. |
| 9BM5 | 9·5 | 0·3 | 250 | 30·0 | 250 | 3·0 | 6·0 | 60·0 | 7·0 | 7000 | 3·5 | — | | 27 | U.S.A. |
| 12AS5 | 12·6 | 0·4 | 150 | 36·0 | 110 | 6·5 | 8·5 | — | 5·6 | 4500 | 2·2 | 10·0 | | 26 | U.S.A. |
| 5618 | 6·0 / 3·0 | 0·23 / 0·46 | 250 | 20·5 | 75 | 4·5 | 8·0 | — | 3·6 | 12000 | 1·4 | — | | 29 | U.S.A. |
| 5812 | 6·3 | 0·65 | 250 | 40·0 | 250 | 1·8 | 23·0 | 55·0 | 4·1 | — | — | — | | 24 | U.S.A. |
| 6005 | 6·3 | 0·45 | 250 | 46·0 | 250 | 6·0 | 12·5 | 52·0 | 4·1 | 5000 | 4·5 | — | | 27 | U.S.A. |
| BPM04 | 6·3 | 0·45 | 250 | 47·0 | 250 | 7·0 | 12·5 | 52·0 | 4·1 | 5000 | 4·5 | — | | 27 | European |
| DL96 | 2·8 / 1·4 | 0·025 / 0·05 | 85 | 5·0 | 85 | 1·0 | 5·2 | — | 1·4 | 14000 | 0·2 | — | | 25 | European |
| DL907 | 1·2 | 0·2 | 120 | 15·0 | 120 | 3·5 | 5·8 | 60·0 | 2·7 | — | — | — | | 23 | European |
| EL90 | 6·3 | 0·45 | 250 | 47·0 | 250 | 7·0 | 12·5 | 52·0 | 4·1 | 5000 | 4·5 | — | | 27 | European |

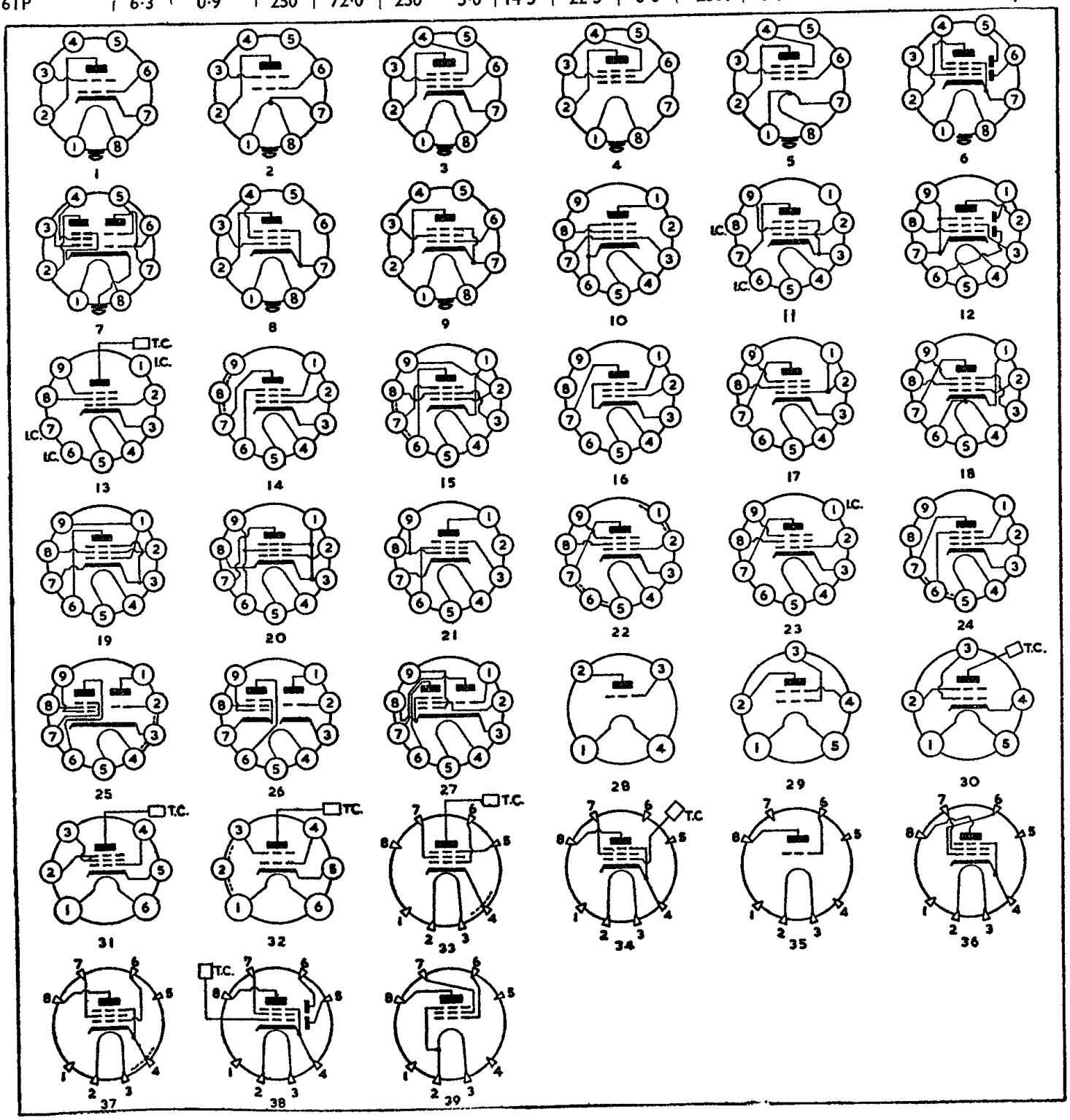
| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | Anode Load Ω | Output W | Dis. % | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | | | Type | Ref. | |
| HL90 | 19·0 | 0·15 | 250 | 47·0 | 250 | 7·0 | 12·5 | 5·2 | 4·1 | 5000 | 4·5 | — | B7G | 27 | European |
| QA2402 | 6·3 | 0·2 | 250 | 16·0 | 250 | — | 12·5 | 130·0 | 2·6 | 16000 | 1·4 | 10·0 | | 28 | Osram |
| 67PT | 6·3 | 0·7 | 250 | 36·0 | 250 | 5·2 | 7·0 | 40·0 | 10·0 | 7000 | 4·2 | 10·0 | B8A | 30 | Cossor |
| BF61 | 6·3 | 0·7 | 250 | 36·0 | 250 | 5·2 | 7·0 | 40·0 | 10·0 | 7000 | 4·2 | 10·0 | | 30 | European |
| BF62 | 6·3 | 0·2 | 225 | 26·0 | 225 | 4·1 | 10·8 | 90·0 | 3·2 | 9000 | 2·5 | 10·0 | | 30 | European |
| DL41 | 1·4 | 0·10 | 120 | 10·0 | 120 | 1·65 | 5·6 | 80·0 | 2·55 | 12000 | 0·6 | 11·7 | | 31 | European |
| | 2·8 | 0·05 | 120 | 9·0 | 120 | 1·45 | 5·45 | 95·0 | 2·45 | 13500 | 0·54 | 12·5 | | | |
| ECL113 | 6·3 | 0·6 | 250 | 25·0 | 250 | 3·5 | 3·5 | 40·0 | 8·5 | 12500 | 2·25 | — | | 32 | European |
| EL43 | 6·3 | 0·71 | 250 | 36·0 | 250 | 4·1 | 2·9 | 100·0 | 10·0 | Video Amplifier | | | | 33 | European |
| EL44 | 6·3 | 0·72 | 250 | 20·0 | 250 | 3·3 | — | — | 5·0 | Video Amplifier | | | | 34 | European |
| UL43 | 50·0 | 0·1 | 250 | 36·0 | 250 | 4·0 | 2·6 | — | 10·0 | — | — | — | | 33 | European |
| EL60 | 6·3 | 1·5 | 265 | 100·0 | 250 | 14·0 | 13·5 | 15·0 | 11·0 | 2000 | 12·0 | 10·0 | B9G | 35 | European |



# OUTPUT VALVES—*Contd.*

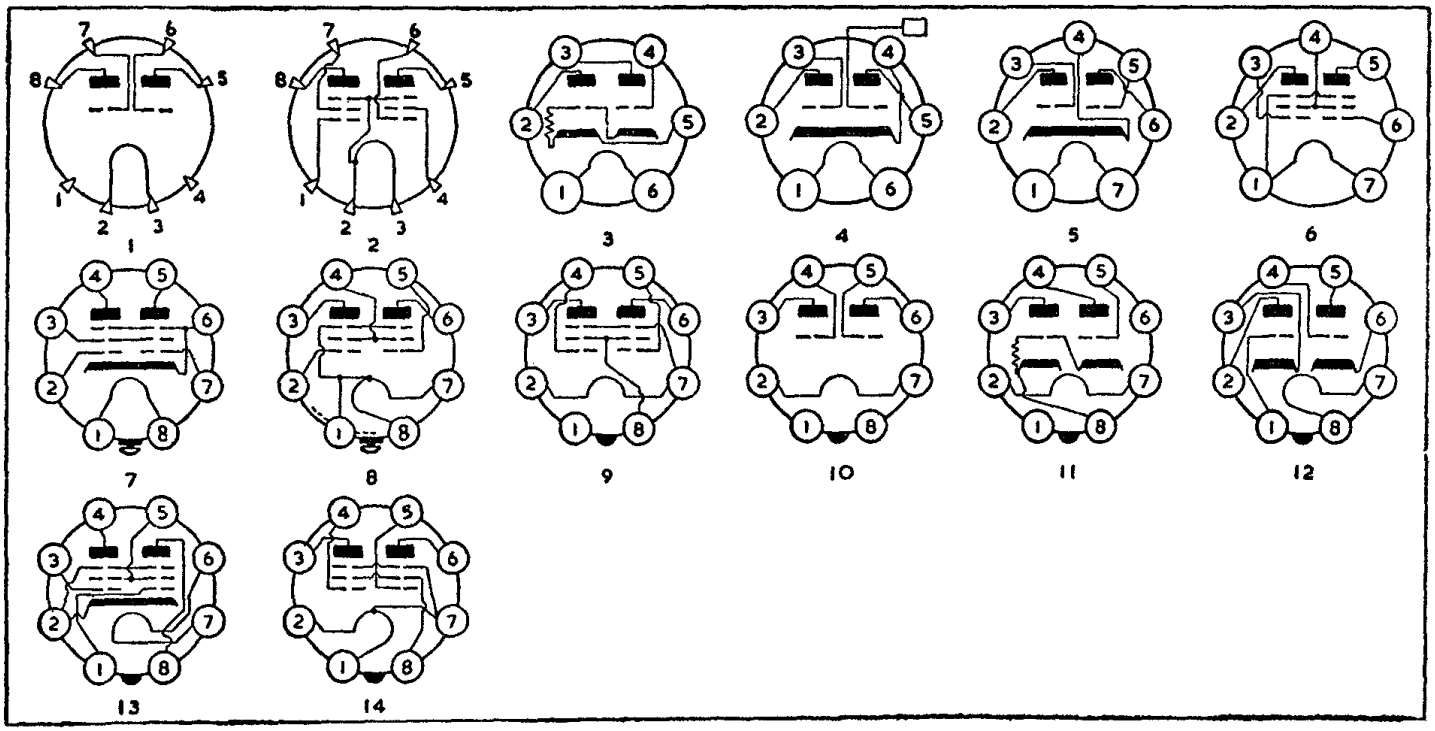
| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | Anode Load Ω | Output W | Dis. % | B. | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | | | Type | Ref. | |
| 2C50 | 12·6 | 0·3 | 300 | 12·5 | — | — | 24·0 | 5·5 | 1·75 | — | — | — | B8G | 1 | U.S.A. |
| 1299 | 1·4 | 0·22 | 135 | 9·8 | 90 | 1·2 | 4·5 | — | 2·4 | 12000 | 0·5 | — | | 2 | U.S.A. |
| | 2·8 | 0·11 | 90 | 9·5 | 90 | 1·6 | 4·5 | — | 2·4 | 8000 | 0·27 | — | | | |
| 6145 | 6·3 | 0·6 | 150 | 34·0 | 100 | 8·0 | 0 | 100·0 | 10·0 | Video Amplifier | | | | 3 | U.S.A. |
| DL22 | 1·25 | 0·1 | 120 | 7·0 | 120 | 1·3 | 4·0 | 350·0 | 1·9 | 15000 | 0·36 | — | | 4 | European |
| DL25 | 1·2 | 0·1 | 90 | 4·5 | 90 | 0·75 | 2·8 | 300·0 | 2·0 | 20000 | 0·18 | — | | 4 | European |
| DL26 | 1·2 | 0·1 | 120 | 4·5 | 120 | 0·8 | 4·7 | 300·0 | 2·1 | 25000 | 0·26 | 7·0 | | 5 | European |
| EBL71 | 6·3 | 0·8 | 250 | 36·0 | 250 | 4·5 | 6·0 | 50·0 | 9·0 | 7000 | 4·5 | 10·0 | | 6 | European |
| EEL71 | 6·3 | 0·73 | 250 | 24·0 | 250 | 4·0 | 6·5 | 70·0 | 6·5 | 9000 | 2·3 | — | | 7 | European |
| EL20 | 6·3 | 0·9 | 250 | 12·5 | 300 | 5·2 | 38·0 | 25·0 | — | 6500 | — | — | | 8 | European |
| N148 | 6·3 | 0·95 | 250 | 40·0 | 250 | 7·5 | 4·3 | — | 10·8 | 6000 | 4·3 | 8·0 | | 9 | M.O.V. |
| UBL71 | 55·0 | 0·1 | 200 | 55·0 | 200 | 9·5 | 13·0 | 25·0 | 8·0 | 3500 | 4·8 | 10·0 | | 6 | European |
| UEL71 | 45·0 | 0·1 | 250 | 24·0 | 250 | 4·0 | 6·5 | 70·0 | 6·5 | 9000 | 2·3 | — | | 7 | European |
| UL21 | 45·0 | 0·1 | 200 | 55·0 | 200 | 8·4 | 13·0 | 20·0 | 8·0 | 3500 | 5·0 | — | | 9 | European |
| UL71 | 45·0 | 0·1 | 200 | 22·0 | 200 | 3·5 | 5·1 | — | 6·5 | 9000 | 2·0 | — | | 8 | European |
| 6BK5 | 6·3 | 1·2 | 250 | 37·0 | 250 | 10·0 | 5·0 | 100·0 | 8·5 | 6500 | 3·5 | — | B9A | 10 | U.S.A. |
| 6BN5 | 6·3 | 0·2 | 225 | 26·0 | 225 | 4·1 | 10·8 | 90·0 | 3·2 | 9000 | 2·5 | 10·0 | | 11 | U.S.A. |
| 6BV7 | 6·3 | 0·8 | 250 | — | — | — | — | — | 10·0 | — | 4·5 | — | | 12 | U.S.A. |
| 6CJ6 | 6·3 | 1·05 | 180 | 45·0 | 180 | 3·0 | 23·5 | — | 6·5 | Line Time Base Amplifier | | | | 13 | U.S.A. |
| 6CK6 | 6·3 | 0·71 | 180 | 36·0 | 180 | 4·6 | 2·9 | 100·0 | 10·0 | Video Amplifier | | | | 14 | U.S.A. |
| 6CL6 | 6·3 | 0·65 | 250 | 31·0 | 150 | 7·2 | 3·0 | 150·0 | 11·0 | Video Amplifier | | | B9A | 15 | U.S.A. |
| 6M5 | 6·3 | 0·71 | 250 | 36·0 | 250 | 5·2 | 170* | 40·0 | 10·0 | 7000 | 3·9 | — | | 16 | U.S.A. |
| 9BW6 | 9·5 | 0·3 | 315 | 35·0 | 225 | 6·0 | 13·0 | 77·0 | 3·75 | 8500 | 5·5 | — | | 17 | U.S.A. |
| 12BY7 | 12·6 6·3 | 0·3/0·6 | 250 | 25·0 | 150 | 6·0 | 68* | 110·0 | 12·0 | Video Amplifier | | | | 18 | U.S.A. |
| 16A5 | 16·5 | 0·3 | 170 | 53·0 | 170 | 10·0 | 10·4 | 20·0 | 9·5 | 3000 | 4·2 | 10·0 | | 11 | U.S.A. |
| 25BK5 | 25·2 | 0·3 | 250 | 37·0 | 250 | 10·0 | 5·0 | 100·0 | 8·5 | 6500 | 3·5 | — | | 10 | U.S.A. |
| 35QL6 | 35·0 | 0·15 | 180 | 56·0 | 180 | 22·5 | 11·5 | 18·0 | 9·5 | 3000 | — | — | | 19 | European |
| 63TP | 6·3 | 0·3 | 170 | 15·0 | 170 | 2·8 | 6·3 | 150·0 | 3·3 | 11000 | 1·0 | — | | 25 | Cossor |
| 213Pen | 21·5 | 0·3 | 170 | 36·0 | 170 | 5·0 | 2·3 | 100·0 | 10·0 | Video Amplifier | | | | 13 | Cossor |
| 5686 | 6·3 | 0·35 | 250 | 27·0 | 250 | 5·0 | 12·5 | — | 3·1 | 9000 | 2·7 | — | | 20 | U.S.A. |
| 5763 | 6·3 | 0·75 | 250 | 45·0 | 250 | 4·7 | 7·25 | 27·0 | 7·0 | — | — | — | | 21 | U.S.A. |
| 6061 | 6·3 | 0·45 | 315 | 34·0 | 225 | 2·2 | 13·0 | 77·0 | 3·75 | 8500 | 5·5 | 12·0 | | 23 | Brimar |
| 6062 | 6·3 | 0·75 | 250 | 45·0 | 250 | 4·7 | 7·25 | 27·0 | 7·0 | — | — | — | | 21 | Brimar |
| 6227 | 6·3 | 0·75 | 200 | 30·0 | 200 | 4·2 | 4·5 | — | 9·0 | 7000 | 2·5 | 10·0 | | 22 | U.S.A. |
| 18045 | 18·0 | 0·15 | 210 | 20·0 | 210 | 5·3 | 120* | 250·0 | 11·0 | 15000 | 0·9 | 5·0 | | 22 | European |
| 18046 | 20·0 | 0·135 | 210 | 20·0 | 210 | 5·3 | 120* | 250·0 | 11·0 | 15000 | 0·9 | 5·0 | | 22 | European |
| E80L | 6·3 | 0·75 | 200 | 30·0 | 200 | 4·2 | 4·5 | — | 9·0 | 7000 | 2·5 | 10·0 | | 22 | European |
| E81L | 6·3 | 0·45 | 210 | 20·0 | 210 | 5·3 | 3·0 | — | 11·0 | 15000 | 2·1 | 10·0 | | 22 | European |
| EF82 | 6·3 | 0·75 | 250 | 40·0 | 250 | 6·0 | 4·5 | 50·0 | 11·0 | Video Amplifier | | | | 23 | Mul.-Eupn. |
| EL80 | 6·3 | 0·71 | 250 | 36·0 | 250 | 5·2 | 170* | 40·0 | 10·0 | 7000 | 3·9 | — | | 16 | Mul.-Eupn. |
| EL81 | 6·3 | 1·05 | 130 | 45·0 | 180 | 3·0 | 23·5 | — | Line Time Base Amplifier | | | | | 13 | Mul.-Eupn. |
| EL83 | 6·3 | 0·71 | 180 | 36·0 | 180 | 4·6 | 2·9 | 100·0 | 10·0 | Video Amplifier | | | | 14 | Mul.-Eupn. |
| EL84 | 6·3 | 0·76 | 250 | 48·0 | 250 | 5·4 | 140* | 47·5 | 11·5 | 5200 | 5·7 | 10·0 | | 11 | Mul.-Eupn. |
| EL85 | 6·3 | 0·2 | 225 | 26·0 | 225 | 4·1 | 10·8 | 90·0 | 3·2 | 9000 | 2·5 | 10·0 | | 11 | Mul.-Eupn. |
| EL803 | 6·3 | 0·71 | 200 | 36·0 | 200 | 5·0 | 3·5 | 100·0 | 10·5 | — | — | 4·0 | | 24 | European |
| LN152 | 6·3 | 0·3 | 170 | 15·0 | 170 | 2·8 | 6·3 | 150·0 | 3·3 | 11000 | 1·0 | — | | 25 | M.O.V. |
| LN309 | 12·6 | 0·3 | 250 | 21·6 | 250 | 4·8 | 9·0 | 45·0 | 4·7 | — | — | — | | 26 | M.O.V. |
| N152 | 21·5 | 0·3 | 170 | 45·0 | 170 | 3·0 | 22·0 | 10·0 | 6·2 | Line Time Base Amplifier | | | | 13 | Marconi |
| N309 | 15·0 | 0·3 | 170 | 36·0 | 170 | 5·0 | 2·3 | 100·0 | 10·0 | Video Amplifier | | | | 14 | Marconi |
| N329 | 16·5 | 0·3 | 170 | — | 170 | — | — | — | 9·0 | — | — | — | | 11 | Osram |
| N339 | 20·0 | 0·3 | 170 | 40·0 | 170 | 15·0 | 0 | 30·0 | 8·5 | Line Time Base Amplifier | | | | 13 | Marconi |
| PCL81 | 12·6 | 0·3 | 180 | 30·0 | 180 | 4·8 | 5·5 | 15·0 | 8·75 | 6000 | 2·4 | — | | 27 | Mul.-Eupn. |
| 4654P | 6·3 | 1·35 | 250 | 72·0 | 275 | 8·0 | 14·0 | 22·0 | 8·5 | 3500 | 8·6 | — | P | 33 | European |
| 4682 | 4·0 | 1·0 | 375 | 29·0 | 250 | 4·0 | 540* | — | — | 15000 | 14·0 | 5·2 | | 34 | European |
| 4683 | 4·0 | 0·95 | 350 | 46·0 | — | — | 840* | — | — | 8000 | 15·6 | 2·3 | | 35 | European |
| 4688 | 4·0 | 2·0 | 375 | 62·0 | 275 | 9·0 | 165* | — | — | 6500 | 28·5 | 2·3 | | 36 | European |
| 4689 | 6·3 | 1·35 | 375 | 62·0 | 275 | 9·0 | 165* | — | — | 6500 | 28·5 | 2·3 | | 37 | European |
| 4694 | 6·3 | 0·9 | 375 | 30·0 | 250 | 5·0 | 145* | — | — | 13000 | 12·0 | 2·3 | | 37 | European |
| 4699 | 6·3 | 1·0 | 250 | 72·0 | 250 | 8·0 | 7·2 | 20·0 | 14·5 | 3500 | 8·0 | 10·0 | | 37 | European |
| ABL1 | 4·0 | 2·4 | 250 | 36·0 | 250 | 4·0 | 6·0 | 50·0 | 9·0 | 7000 | 4·5 | — | | 38 | European |
| AD1 | 4·0 | 0·95 | 250 | 60·0 | — | — | 45·0 | 0·67 | 6·0 | 2300 | 4·2 | — | | 35 | European |
| AL1 | 4·0 | 1·1 | 250 | 36·0 | 250 | 6·8 | 15·0 | 43·0 | 2·8 | 7000 | 3·1 | — | | 39 | European |
| AL2 | 4·0 | 1·0 | 250 | 36·0 | 250 | 5·0 | 25·0 | 60·0 | 2·6 | 7000 | 3·8 | — | | 34 | European |
| AL3 | 4·0 | 1·75 | 250 | 36·0 | 250 | 4·0 | 6·0 | 50·0 | 9·0 | 7000 | 4·5 | — | | 34 | European |
| AL4 | 4·0 | 1·75 | 250 | 36·0 | 250 | 5·0 | 6·0 | 50·0 | 9·5 | 7000 | 4·3 | — | | 36 | European |
| AL5 | 4·0 | 2·0 | 250 | 72·0 | 250 | 7·5 | 16·0 | 22·0 | 8·5 | 3500 | 8·8 | — | | 36 | European |
| CL1 | 13·0 | 0·2 | 250 | 20·0 | 250 | 2·0 | 23·0 | 80·0 | 1·9 | 12500 | 1·7 | — | | 34 | European |
| CL2 | 24·0 | 0·2 | 200 | 40·0 | 100 | 5·0 | 19·0 | 23·0 | 3·1 | 5000 | 3·0 | — | | 34 | European |
| EL1 | 6·3 | 0·4 | 250 | 32·0 | 250 | 4·5 | 18·5 | 48·0 | 2·6 | 7000 | 2·8 | 10·0 | | 34 | European |
| EL8 | 6·3 | 0·5 | 250 | 20·0 | 250 | 3·2 | 7·5 | 60·0 | 5·5 | 12500 | 2·0 | — | | 36 | European |
| EL53 | 6·3 | 0·9 | 375 | 24·0 | 250 | 2·5 | 7·7 | 7·0 | 8·0 | — | — | — | | 36 | European |
| EL54 | 6·3 | 1·3 | 300 | 55·0 | 325 | 6·25 | 12·2 | 28·0 | 13·0 | — | — | — | | 36 | European |
| KL1 | 2·0 | 0·15 | 90 | 8·0 | 90 | 1·2 | 4·5 | 80·0 | 1·7 | 14000 | 0·2 | — | | 39 | European |
| KL2 | 2·0 | 0·265 | 90 | 8·0 | 90 | 0·9 | 7·5 | 30·0 | 1·8 | 7000 | 0·35 | — | | 39 | European |

| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | ra kΩ | gm mA/V | Anode Load Ω | Output W | Dis. % | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | | | Type | Ref. | |
| KL4 | 2·0 | 0·15 | 135 | 7·0 | 135 | 1·1 | 5·0 | 130·0 | 2·1 | 19000 | 0·44 | — | | 39 | European |
| KL5 | 2·0 | 0·1 | 90 | 4·8 | 90 | 0·9 | 4·0 | 180·0 | 1·4 | 19000 | 0·2 | — | P | 39 | European |
| UBL3 | 55·0 | 0·1 | 200 | 55·0 | 200 | 11·0 | 11·5 | 20·0 | 8·5 | 3500 | 5·2 | 10·0 | | 38 | European |
| UL1 | 60·0 | 0·1 | 200 | 52·0 | 200 | 5·0 | 11·0 | 21·0 | 8·4 | 3500 | 5·6 | — | | 34 | European |
| UL2 | 35·0 | 0·1 | 200 | 20·0 | 200 | 3·0 | 5·0 | 65·0 | 5·5 | 10000 | 1·5 | — | | 36 | European |
| VL1 | 55·0 | 0·05 | 200 | 25·0 | 200 | 3·5 | 14·0 | 50·0 | 2·2 | 8000 | 1·6 | — | | 34 | European |
| VL4 | 110·0 | 0·05 | 200 | 45·0 | 200 | 6·0 | 8·5 | 45·0 | 8·0 | 4500 | 4·0 | — | | 34 | European |
| 20 | 3·3 | 0·132 | 135 | 6·0 | — | — | 22·5 | 5·85 | 0·6 | 6500 | 0·13 | — | UX4 | 28 | U.S.A. |
| 5930 | 2·5 | 2·5 | 250 | 60·0 | — | — | 45·0 | 0·8 | 5·25 | 2500 | 3·5 | 5·0 | | 28 | U.S.A. |
| 1D4 | 2·0 | 0·24 | 180 | 9·5 | 180 | 2·3 | 6·0 | 137·0 | 2·4 | 15000 | 0·75 | — | UX5 | 29 | U.S.A. |
| 5933 | 6·3 | 0·9 | 300 | 83·0 | 250 | 8·0 | 14·0 | 20·0 | 6·5 | 2850 | 6·7 | — | | 30 | U.S.A. |
| 6P6 | 6·3 | 0·7 | 250 | 34·0 | 150 | 17·0 | 8·0 | — | — | — | 5·0 | — | UX6 | 31 | U.S.A. |
| 6T | 6·3 | 0·45 | 250 | 45·0 | 250 | 4·5 | 12·5 | 52·0 | 4·1 | 5000 | 4·5 | 8·0 | | 32 | European |
| 6TP | 6·3 | 0·9 | 250 | 72·0 | 250 | 5·0 | 14·5 | 22·5 | 6·0 | 2500 | 6·5 | 10·0 | | 32 | European |



# TWIN OUTPUT VALVES

| Type | FILAMENT or HEATER | | ANODE | | SCREEN | | Neg. Grid Volts | A.A. Load Ω | Output W | Dis. % | Class | BASE | | Maker |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volts | Amps | Volts | I/mA | Volts | I/mA | | | | | | Type | Ref. | |
| KDD1 | 2·0 | 0·22 | 90 | 1·6 | — | — | 0 | 10000 | 0·72 | 6 | B1 | P | 1 | European |
| KLL3 | 2·0 | 0·465 | 135 | 16·0 | 135 | 6·8 | 12·0 | 20000 | 1·3 | — | — | — | 2 | European |
| 1E7 | 2·0 | 0·24 | 135 | 6·5 | 135 | 2·0 | 7·5 | 24000 | 0·65 | — | A | I.O. | 9 | U.S.A. |
| 1G6 | 1·4 | 0·1 | 90 | 7·0 | — | — | 0 | 12000 | 0·675 | — | B1 | | 10 | U.S.A. |
| 6AB6 | 6·3 | 0·5 | 250 | 34·0 | — | — | 0 | 8000 | 3·5 | — | A | | 11 | U.S.A. |
| 6AS7G | 6·3 | 2·5 | 250 | 106·0 | — | — | 26·5 | 6000 | 13·0 | — | A | | 12 | U.S.A. |
| 6N6 | 6·3 | 0·8 | 300 | 45·0 | 300 | 8·0 | 0·0 | 7000 | 4·0 | — | — | | 11 | U.S.A. |
| 12L8 | 12·6 | 0·15 | 180 | 13·0 | 180 | 2·9 | 9·0 | 10000 | 1·0 | — | — | | 13 | U.S.A. |
| 25N6 | 25·0 | 0·3 | 180 | 46·0 | 100 | 5·8 | 0·0 | 4000 | 3·8 | — | — | | 11 | U S.A. |
| 26A7 | 26·5 | 0·6 | 26·5 | 20·0 | 26·5 | 1·6 | 4·5 | 1500 | 0·18 | — | — | | 13 | U.S.A. |
| 1644 | 12·6 | 0·15 | 180 | 13·0 | 180 | 4·6 | 9·0 | 10000 | 1·0 | — | A | | 13 | U.S.A. |
| A1834 | 6·3 | 2·5 | 250 | 106·0 | — | — | 26·5 | 6000 | 13·0 | — | A | | 12 | M.O.V. |
| DLL31 | 2·8 | 0·1 | | | | | | | | | | | | |
| | 1·4 | 0·2 | 90 | 6·0 | 90 | 1·8 | 5·0 | 30000 | 0·3 | — | — | | 14 | European |
| 6B5 | 6·3 | 0·8 | 400 | 40·0 | — | 4·5 | 13·0 | 10000 | 20·0 | — | — | UX6 | 3 | U.S.A. |
| 25B5 | 25·0 | 0·3 | 110 | 45·0 | 110 | 7·0 | 0 | 2000 | 2·0 | — | A | | 3 | U.S.A. |
| 79 | 6·3 | 0·6 | 250 | 10·5 | — | — | 0 | 14000 | 8·0 | — | B1 | | 4 | U.S.A. |
| 6E6 | 6·3 | 0·6 | 250 | 36·0 | — | — | 27·5 | 14000 | 1·6 | — | A | UX7 | 5 | U.S.A. |
| DLL101 | 1·4 | 0·1 | 90 | 4·5 | 60 | 2·3 | — | 8000 | 0·35 | — | — | B7G | 6 | European |
| DLL102 | 2·8 | 0·025 | 40 | 1·3 | 40 | 1·0 | — | — | 0·01 | — | — | | 6 | European |
| 28D7 | 28·0 | 0·4 | 28 | 18·0 | 28 | 1·2 | 3·5 | 6000 | 0·175 | — | A | B8G | 7 | U.S.A. |
| | 2·8 | 0·2 | | | | | | | | | | | | |
| DLL21 | 1·4 | 0·1 | 135 | 17·6 | 135 | 4·6 | 9·4 | 15000 | 1·5 | — | — | | 8 | European |
| DLL25 | 1·4 | 0·2 | 135 | 17·6 | 135 | 4·6 | 9·4 | 15000 | 0·5 | — | — | | 8 | European |



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