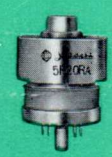


was M31

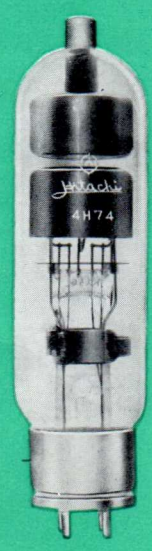
HIT 2

Figure may be  
see NEC

- VACUUM POWER TUBES
- HIGH-VACUUM RECTIFIERS
- MERCURY-VAPOR RECTIFIERS
- GAS-FILLED RECTIFIERS
- GRID-CONTROLLED RECTIFIERS
- DISC SEAL TRIODES
- REFLEX KLYSTRONS
- TRAVELLING WAVE TUBES



# HITACHI ELECTRON TUBES



 **Hitachi, Ltd.**  
Tokyo Japan

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## Guide to the Use of This Catalogue

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1. Some hundred tube types are covered by this quick reference catalog. Some of them are readily interchangeable with American types shown under the column "American Equivalent."
2. Explanation of Symbols used in "Cathode Type" symbols:
  - FO : Direct-Heated, Oxide-Coated Filament.
  - FT : Thoriated-Tungsten Filament.
  - FW : Pure-Tungsten Filament.
  - HO : Oxide-Coated Unipotential Cathode.
3. Only typical ones are shown under "Class of Service" and "Applications."  
Explanation of symbols used in "Class of Service" symbols:
  - AB<sub>1</sub> : Class-AB<sub>1</sub> Push-Pull Audio-Frequency Power Amplifier or Modulator.
  - AB<sub>2</sub> : Class-AB<sub>2</sub> Push-Pull Audio-Frequency Power Amplifier or Modulator.
  - B : Class-B Push-Pull Audio-Frequency Power Amplifier or Modulator.
  - CM : Class-C Suppressor-Grid-Modulated Telephone Service.
  - CP : Class-C Plate-Modulated Telephone Service.
  - CT : Class-C Telegraph and Frequency-Modulated Telephone Service.
4. "Maximum Plate Ratings" and "Maximum Ratings" show the values depending on Absolute Maximum Rating System. Also, the values are for Continuous Services unless otherwise noted.
5. In classes CM, CP and CT, the values shown under "Maximum Plate Ratings" and "Typical Operating Conditions" are for one tube. (Therefore, values are for two units in the cases of twin-unit types.) In classes AB<sub>1</sub>, AB<sub>2</sub> and B, the values shown under "Maximum Plate Ratings" are for one tube; and those under "Typical Operating Conditions" are for two tubes, or for two units in twin-unit types.
6. In some cases DC screen voltage should be supplied through a series resistor from higher voltage supply. Voltages shown under "DC Screen Volts" are average values of screen grid voltage obtained in this manner. Similar expressions are taken for "DC Grid Volts" which should be obtained through a grid or cathode circuit resistor.
7. Explanation of the symbols used in base connection diagrams.

Col : Collector	IS : Internal Shield
F : Filament	K : Cathode
FCT : Filament Center Tap	NC : No Connection
G : Grid	P : Plate
H : Heater	R : Repeller
HCT : Heater Center Tap	RS : Resonator Shell
Hel : Helix	S : Shield
IC : Internal Connection	