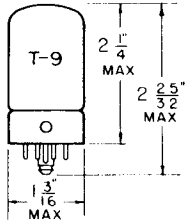


TUNG-SOL

DOUBLE DIODE



GLASS BULB

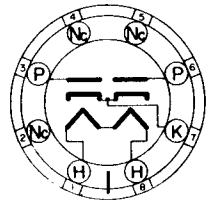
UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 500 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN 8 PIN BASE

THE 7Y4 IS A HEATER TYPE HIGH VACUUM TWIN DIODE USING THE LOCK-IN CONSTRUCTION. IT IS INTENDED FOR USE AS A FULL-WAVE RECTIFIER IN EITHER AC OR STORAGE BATTERY OPERATED EQUIPMENT WHERE ECONOMY OF HEATER POWER IS DESIRED.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

|   |       |       |
|---|-------|-------|
| HEATER VOLTAGE  | 6.3   | VOLTS |
| MAXIMUM DC HEATER-CATHODE VOLTAGE                                   | 450   | VOLTS |
| MAXIMUM PEAK INVERSE VOLTAGE  | 1 250 | VOLTS |
| MAXIMUM AC PLATE VOLTAGE (RMS) CONDENSER INPUT                      | 325   | VOLTS |
| MAXIMUM AC PLATE VOLTAGE (RMS) CHOKE INPUT                          | 450   | VOLTS |
| MAXIMUM STEADY STATE PEAK PLATE CURRENT EACH PLATE                  | 210   | MA.   |
| MAXIMUM OUTPUT CURRENT  | 70    | MA.   |
| TUBE VOLTAGE DROP (MEASURED WITH TUBE CONDUCTING 70 MA. EACH PLATE) | 22    | VOLTS |

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FULL WAVE RECTIFIER  
CONDENSER INPUT TO FILTER

|  |     |       |
|--|-----|-------|
| HEATER VOLTAGE   | 6.3 | VOLTS |
| HEATER CURRENT   | 500 | MA.   |
| AC PLATE VOLTAGE EACH PLATE (RMS)                      | 325 | VOLTS |
| DC OUTPUT CURRENT                                      | 70  | MA.   |
| MINIMUM PLATE SUPPLY IMPEDANCE EACH PLATE <sup>A</sup> | 150 | OHMS  |

<sup>A</sup> WHEN A FILTER CONDENSER LARGER THAN 40 μF IS USED, IT MAY BE NECESSARY TO INCREASE THE SPECIFIED PLATE SUPPLY IMPEDANCE.

CHOKE INPUT TO FILTER

|                                   |     |        |
|-----------------------------------|-----|--------|
| HEATER VOLTAGE                    | 6.3 | VOLTS  |
| HEATER CURRENT                    | 500 | MA.    |
| AC PLATE VOLTAGE EACH PLATE (RMS) | 450 | VOLTS  |
| DC OUTPUT CURRENT                 | 70  | MA.    |
| MINIMUM VALUE OF INPUT CHOKE      | 10  | HENRYS |

SIMILAR TYPE REFERENCE: Ratings and characteristics somewhat similar to types 6X5GT and 8U.

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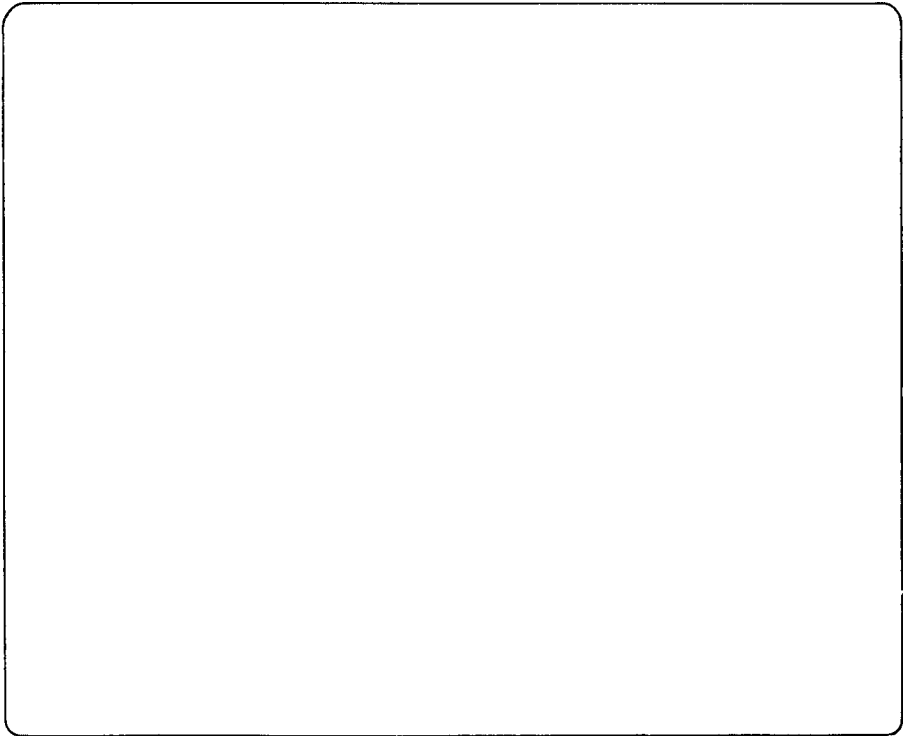
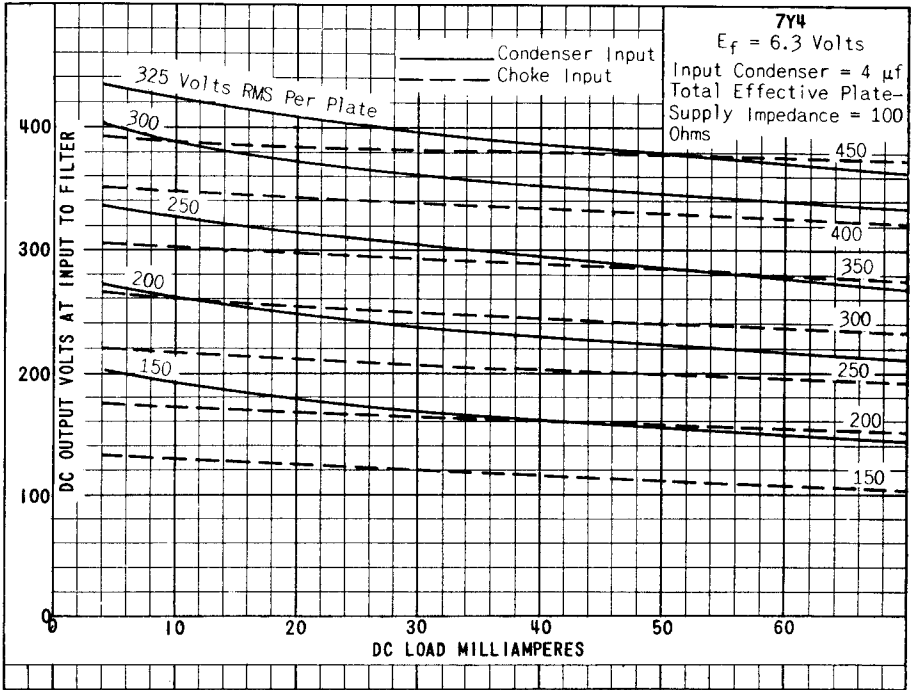
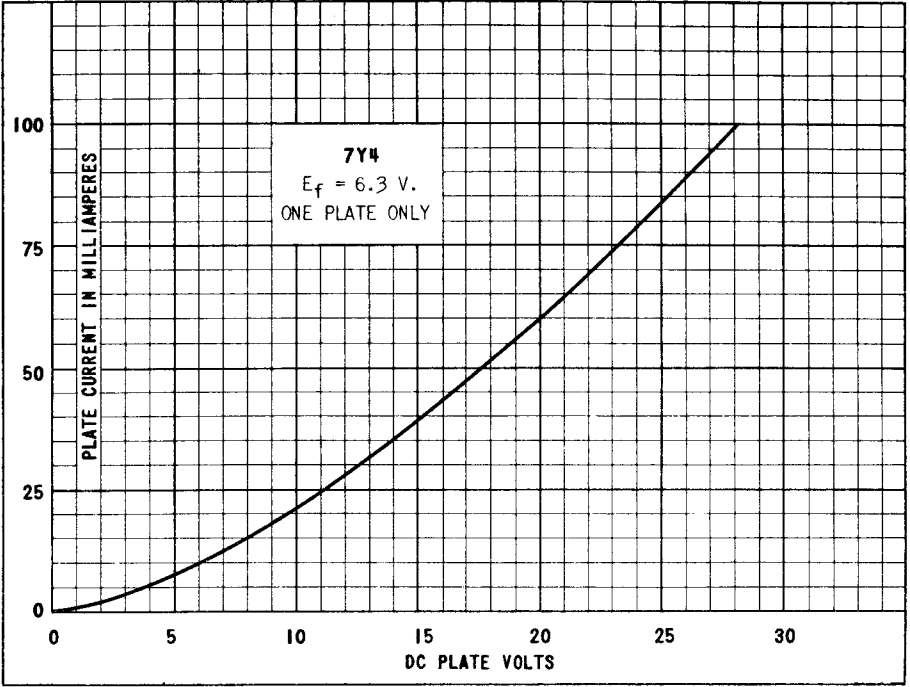


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1948

7Y4



FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

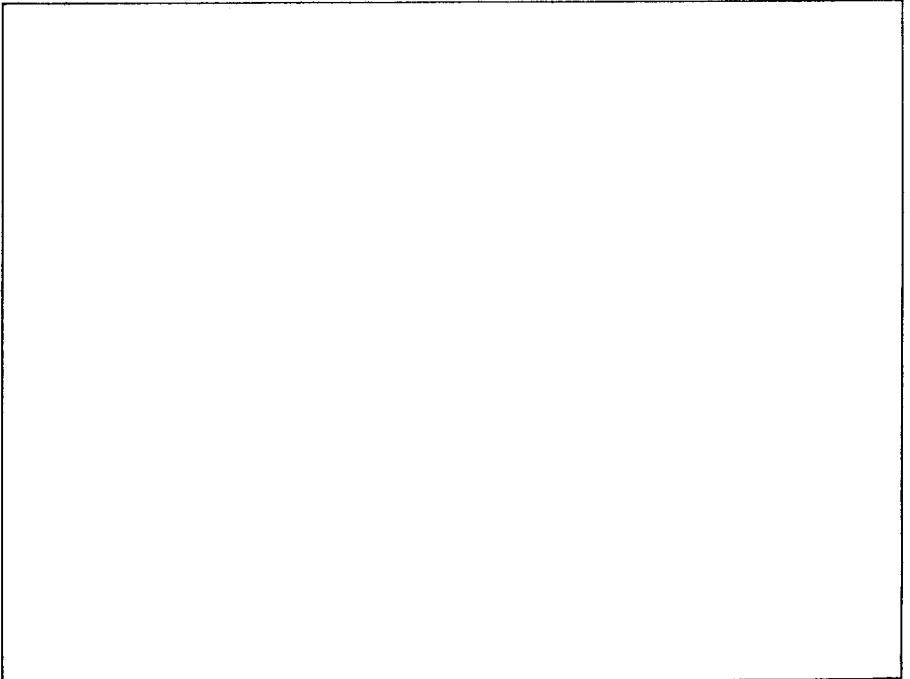


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