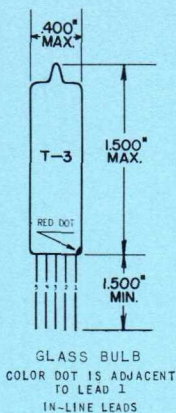


## TUNG-SOL

TRIODE  
SUBMINIATURE TYPE

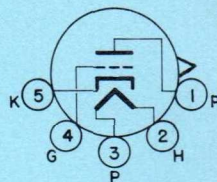
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 200 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW  
0.016" TINNED  
FLEXIBLE LEADS  
0.048" SPACING  
CENTER-TO-CENTER

THE 5744 IS A HIGH-MU TRIODE, SUITABLE FOR SERVICE AS A HIGH FREQUENCY CONVERTER OR OSCILLATOR UP TO SEVERAL HUNDRED MEGACYCLES. IT IS ALSO USEFUL IN GENERAL PURPOSE AUDIO FREQUENCY VOLTAGE AMPLIFIER SERVICE. THE FLEXIBLE TERMINAL LEADS MAY BE SOLDERED OR WELDED DIRECTLY TO CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO 0.20" LENGTH.

## DIRECT INTERELECTRODE CAPACITANCES

|                  | WITH<br>SHIELD <sup>A</sup> | WITHOUT<br>SHIELD |    |
|------------------|-----------------------------|-------------------|----|
| GRID TO PLATE    | 0.80                        | 0.83              | pf |
| GRID TO CATHODE  | 2.7                         | 2.6               | pf |
| PLATE TO CATHODE | 2.4                         | 0.90              | pf |

<sup>A</sup> WITH A CYLINDRICAL SHIELD (0.40" I.D. - 1 7/8" LONG) CONNECTED TO LEAD 5.

## RATINGS

DESIGN CENTER VALUES - SEE EIA STANDARD RS-239

MAXIMUM PLATE VOLTAGE 250 VOLTS

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

|                         |       |       |
|-------------------------|-------|-------|
| PLATE VOLTAGE           | 250   | VOLTS |
| CATHODE BIAS RESISTANCE | 500   | OHMS  |
| PLATE RESISTANCE        | 17500 | OHMS  |
| AMPLIFICATION FACTOR    | 70    |       |
| TRANSCONDUCTANCE        | 4 000 | μMHOS |
| PLATE CURRENT           | 4     | MA.   |

