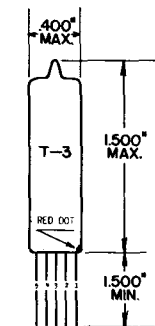


TUNG-SOL

TRIODE
SUBMINIATURE TYPE



GLASS BULB
 COLOR DOT IS ADJACENT
 TO LEAD 1
 IN-LINE LEADS

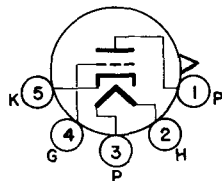
COATED UNIPOTENTIAL CATHODE

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 A SHIELD ^A	WITHOUT 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

^A 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
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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ 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.

