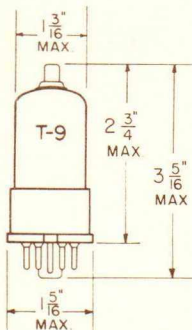


TUNG-SOL

PENTODE



GLASS BULB

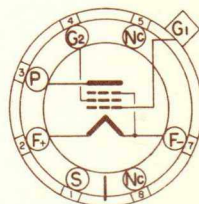
COATED FILAMENT

FILAMENT

1.4 VOLTS 50 MA.

DC

ANY MOUNTING POSITION



BOTTOM VIEW

SMALL WAFER
7 PIN OCTAL

5Y

THE IN5GT IS A FILAMENTARY TYPE SHARP CUT-OFF PENTODE VOLTAGE AMPLIFIER. IT IS DESIGNED FOR SERVICE IN LOW DRAIN BATTERY OPERATED RECEIVERS AS AN RF, IF OR AF AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES

EXTERNAL SHIELD #308 CONNECTED TO PIN 7

GRID TO PLATE: (G_1 TO P) MAX.0.007 μf INPUT: G_1 TO ($F \& G_3 \& 1S + G_2 + BS$)2.8 μf OUTPUT: P TO ($F \& G_3 \& 1S + G_2 + BS$)9.0 μf ←

RATINGS

INTERPRETED ACCORDING TO DESIGN-MAXIMUM SYSTEM

FILAMENT VOLTAGE	1.4	VOLTS
MAXIMUM PLATE VOLTAGE	110	VOLTS
MAXIMUM GRID #2 VOLTAGE	110	VOLTS
MAXIMUM CATHODE CURRENT	5.0 ←	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

FILAMENT VOLTAGE	1.4	VOLTS
FILAMENT CURRENT	50	MA.
PLATE VOLTAGE	90	VOLTS
GRID #2 VOLTAGE	90	VOLTS
GRID #1 VOLTAGE	0	VOLTS
PLATE RESISTANCE (APPROX.)	1.5	MEGOHMS
TRANSCONDUCTANCE	750	μMHOS
PLATE CURRENT	1.2	MA.
GRID #2 CURRENT	0.3	MA.
GRID #1 VOLTAGE (APPROX.) FOR $g_m = 50 \mu\text{MHOS}$	-3.2	VOLTS
GRID #1 VOLTAGE (APPROX.) FOR $g_m = 5 \mu\text{MHOS}$	-4.0 ←	VOLTS

→ INDICATES A CHANGE.

IN5GT

