

TUNG-SOL

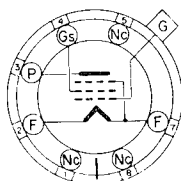
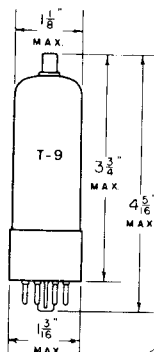
PENTODE AMPLIFIER

COATED FILAMENT

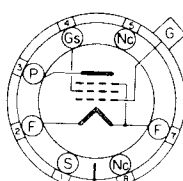
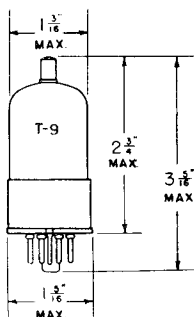
1.4 VOLTS 0.05 AMPERE

DC

CLASS BULB



G-5Y



5Y

BOTTOM VIEWS

THE TUNG-SOL 1P5G AND 1P5GT ARE LOW VOLTAGE, LOW CURRENT DRAIN BATTERY TYPE RF PENTODES. WITH THE EXCEPTION OF CAPACITANCES, THEIR ELECTRICAL CHARACTERISTICS ARE IDENTICAL.

RATINGS

MAXIMUM FILAMENT VOLTAGE

DRY BATTERY OPERATION - VOLTAGE MUST NEVER EXCEED 1.6 VOLTS

AC/DC POWER LINE OPERATION - DESIGN CENTER 1.3 VOLTS

MAXIMUM PLATE VOLTAGE 110 VOLTS

MAXIMUM SCREEN VOLTAGE 110 VOLTS

DIRECT INTERELECTRODE CAPACITANCES⁵

CONTROL GRID TO FILAMENT 1P5G - 2.2 μ f 1P5GT - 3 μ f

PLATE TO FILAMENT 10 μ f

CONTROL GRID TO PLATE .007 μ f

⁵ WITH EXTERNAL SHIELD CONNECTED TO NEGATIVE FILAMENT (PIN #7).

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE 90 VOLTS

SCREEN VOLTAGE 90 VOLTS

CONTROL GRID VOLTAGE RETURN TO NEGATIVE FILAMENT

PLATE CURRENT 2.3 MA.

SCREEN CURRENT 0.7 MA.

PLATE RESISTANCE APPROX. 0.8 MEGOHM

TRANSCONDUCTANCE 750 μ MHOS

CONTROL GRID VOLTAGE FOR - 12 VOLTS

TRANSCONDUCTANCE OF 10 μ MHOS

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

PLATE
1013-2

APR. 21
1941