

TUNG-SOL

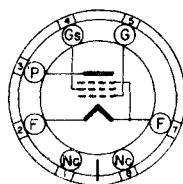
BEAM POWER AMPLIFIER

COATED FILAMENT

1.4 VOLTS 0.050 AMPERE

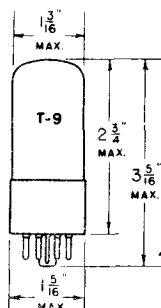
DC

GLASS BULB



G-6X

BOTTOM VIEW



INTERMEDIATE 7 PIN OCTAL BASE

THE TUNG-SOL IT5GT IS A LOW VOLTAGE, LOW CURRENT DRAIN BATTERY TYPE BEAM POWER OUTPUT TUBE. IT IS DESIGNED FOR SERVICE WITH 90 VOLTS OF "B" BATTERY AND A SINGLE DRY CELL "A" BATTERY.

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

MAXIMUM CATHODE CURRENT (ZERO SIGNAL) 7.3 MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

	SELF-BIAS	FIXED-BIAS	
FILAMENT VOLTAGE	1.4 DC	1.4 DC	VOLTS
FILAMENT CURRENT	0.050	0.050	AMPERE
PLATE VOLTAGE	84	90	VOLTS
SCREEN VOLTAGE	84	90	VOLTS
CONTROL GRID VOLTAGE ^A	-6	-6	VOLTS
ZERO SIGNAL PLATE CURRENT	5.4	6.5	MA.
ZERO SIGNAL SCREEN CURRENT (NOMINAL)	0.6	0.8	MA.
MAXIMUM SIGNAL PLATE CURRENT	5.5	6.5	MA.
MAXIMUM SIGNAL SCREEN CURRENT (NOMINAL)	1.5	1.5	MA.
PLATE RESISTANCE APPROX.	.25	.25	MEGOHM
TRANSCONDUCTANCE	1050	1150	μMHOS
LOAD RESISTANCE	14000	14000	OHMS
TOTAL HARMONIC DISTORTION	7.5	7.5	PER CENT
POWER OUTPUT	145	170	MILLIWATTS

^A REFERRED TO NEGATIVE FILAMENT TERMINAL.