

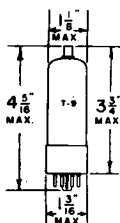
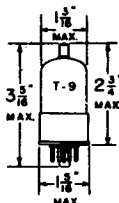
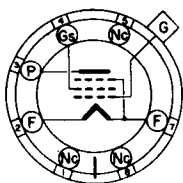
TUNG-SOL

PENTODE AMPLIFIER

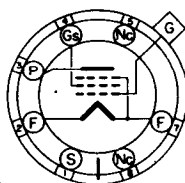
COATED FILAMENT

1.4 VOLTS 0.05 AMPERE
DC

GLASS BULBS

SMALL
7 PIN
OCTAL BASE
IN5G7 PIN
OCTAL BASE
WITH METAL SHELL
IN5GT

G-5Y



5Y

BOTTOM VIEWS

THE TUNG-SOL IN5G AND IN5GT ARE LOW VOLTAGE, LOW CURRENT DRAIN BATTERY TYPE RF PENTODES. THEY ARE DESIGNED FOR SERVICE WITH 90 VOLTS OF "B" BATTERY AND A SINGLE DRY CELL "A" BATTERY. THEIR ELECTRICAL CHARACTERISTICS ARE SIMILAR TO THOSE OF THE 1LN5.

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	3.0	μuf
PLATE TO FILAMENT	10	μuf
CONTROL GRID TO PLATE	.007 MAX.	μuf

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

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

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	90	VOLTS
SCREEN VOLTAGE	90	VOLTS
CONTROL GRID VOLTAGE ^A	0	VOLTS
PLATE CURRENT	1.2	MA.
SCREEN CURRENT	0.3	MA.
PLATE RESISTANCE APPROX.	1.5	MEGOHM
TRANSCONDUCTANCE	750	μMHOS
CONTROL GRID VOLTAGE	-3.2	VOLTS
FOR TRANSCONDUCTANCE = 50 μMHOS		
CONTROL GRID VOLTAGE APPROX.	-4.0	VOLTS
FOR TRANSCONDUCTANCE = 5 μMHOS		

^A RETURN TO NEGATIVE FILAMENT.

