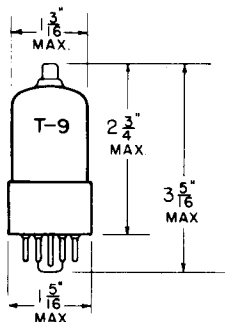


## TUNG-SOL

## HIGH-MU TRIODE AMPLIFIER

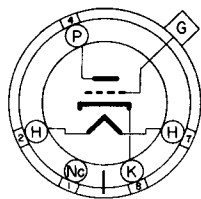


GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER  
12.6 VOLTS 0.15 AMPERE  
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL  
5-PIN OCTAL

THE 12F5GT IS A GENERAL PURPOSE HIGH AMPLIFICATION FACTOR TRIODE. EXCEPT FOR THE HEATER RATING, ITS ELECTRICAL CHARACTERISTICS ARE IDENTICAL TO THOSE OF THE 6F5GT.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	12.6	VOLTS
HEATER CURRENT	0.15	AMP.
MAX. PLATE VOLTAGE	300	VOLTS
HEATER-CATHODE VOLTAGE	AS LOW AS POSSIBLE	

## DIRECT INTERELECTRODE CAPACITANCES (APPROX.)

WITH SHELL CONNECTED TO CATHODE

GRID TO PLATE	2.8	$\mu\text{mf}$
GRID TO CATHODE	2.2	$\mu\text{mf}$
PLATE TO CATHODE	3.2	$\mu\text{mf}$

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
GRID VOLTAGE	-1	-2	VOLTS
PLATE CURRENT	0.4	0.9	MA.
PLATE RESISTANCE	85 000	6 000	OHMS
TRANSCONDUCTANCE	1150	1500	$\mu\text{MHOS}$
AMPLIFICATION FACTOR	100	100	

CONTINUED ON FOLLOWING PAGE

PLATE  
1613

OCT. 15,  
1945

## TUNG-SOL

CONTINUED FROM PRECEDING PAGE

ZERO-BIAS RESISTANCE-COUPLED AMPLIFIER CLASS A<sub>1</sub>

HEATER VOLTAGE	6.3	6.3	VOLTS		
PLATE SUPPLY VOLTAGE	100	300	VOLTS		
GRID LEAK	10	10	MEGOHM		
LOAD RESISTANCE	0.25	0.25	MEGOHM		
COUPLING CAPACITOR	0.01 to 0.005	0.01 to 0.005	μf		
GRID RESISTOR FOR FOLLOWING TUBE	0.5	1.0	0.5	1.0	MEGOHM
VOLTAGE GAIN	48	52	66	71	
VOLTAGE OUTPUT (RMS) AT 5 PER CENT HARMONIC DISTORTION	7.0	8.5	44	50	VOLTS

**SIMILAR TYPE REFERENCE:** Except for heater ratings, same characteristics and application as types 8F5, 6F5G, 8F5GT, 8SF5, 6SF5GT; same characteristics as types 12SF5, 12SF5GT, 7B4.