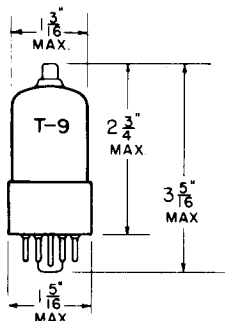


TUNG-SOL

HIGH-MU TRIODE AMPLIFIER

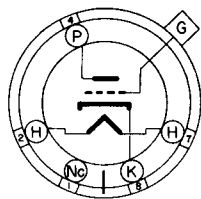


GLASS BULB

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 W8-210

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

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ 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	μMHOS
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 A₁

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	1.0
VOLTAGE GAIN	48	52	66
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.