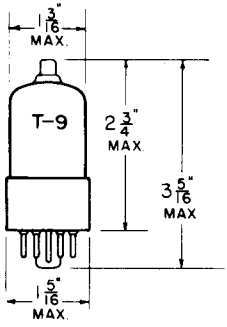
TUNG-SOL

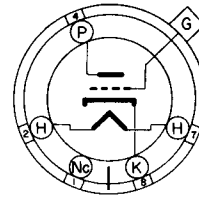
HIGH-MU TRIODE AMPLIFIER



COATED UNIPOTENTIAL CATHODE

HEATER
12.6 VOLTS 0.15 AMPERE
AC OR DC

ANY MOUNTING POSITION



GLASS BULB

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	μμf
GRID TO CATHODE	2.2	μμf
PLATE TO CATHODE	3.2	μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
GRID VOLTAGE	-1	-2	VOLTS
PLATE CURRENT	0.4	0.9	MA.
PLATE RESISTANCE	85 000	66 000	OHMS
TRANSCONDUCTANCE	1150	1500	μMHOS
AMPLIFICATION FACTOR	100	100	

CONTINUED ON FOLLOWING PAGE

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OCT. 15, 1945

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CONTINUED FROM PRECEDING PAGE

ZERO-BIAS RESISTANCE-COUPLED AMPLIFIER CLASS A_1

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 6F5, 6F5G, 6F5GT, 6SF5, 6SF5GT; same characteristics as types 12SF5, 12SF5GT, 7B4.*

PLATE 1614

OCT. 15, 1945

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