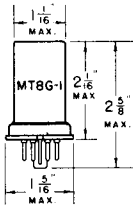


TUNG-SOL



METAL SHELL
SMALL WAFER
6 PIN OCTAL BASE
12SF5

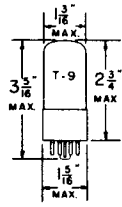
HIGH MU TRIODE AMPLIFIER

UNIPOTENTIAL CATHODE

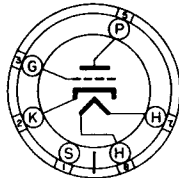
HEATER

12.6 VOLTS 0.15 AMPERE

AC OR DC

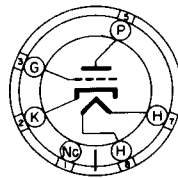


GLASS BULB
INTERMEDIATE
6 PIN OCTAL BASE
12SF5GT



6AB

BOTTOM VIEWS



G-6AB

THE TUNG-SOL 12SF5 AND 12SF5GT ARE GENERAL PURPOSE HIGH MU TRIODES. THEY ARE DESIGNED FOR SERVICE AS HIGH GAIN RESISTANCE COUPLED AMPLIFIERS IN AC - DC OPERATED RECEIVERS USING 150 MA. HEATER TUBES.

RATINGS

HEATER VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER CURRENT	0.15	AMPERE
MAXIMUM PLATE VOLTAGE	300	VOLTS

AVERAGE CHARACTERISTICS

PLATE VOLTAGE	100	250	VOLTS
CONTROL GRID VOLTAGE	-1	-2	VOLTS
PLATE CURRENT	0.4	0.9	MA.
PLATE RESISTANCE	85000	66000	OHMS
TRANSCONDUCTANCE	1150	1500	μMHOS
AMPLIFICATION FACTOR	100	100	

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

CONTINUED NEXT PAGE

12SF5, 12SF5GT

TUNG-SOL

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ZERO BIAS, RESISTANCE COUPLED, CLASS A₁ AMPLIFIER

PLATE SUPPLY VOLTAGE	100	300	VOLTS
PLATE LOAD RESISTOR	0.25	0.25	MEGOHM
GRID RESISTOR	10	10	MEGOHMS
COUPLING CONDENSER	.01 to .005	.01 to .005	μuf
GRID RESISTOR FOR FOLLOWING TUBE	.5 to 1.0	.5 to 1.0	MEGOHM
EXTERNAL GRID CIRCUIT IMPEDANCE	0	0	MEGOHM
VOLTAGE GAIN	48 52	66 71	
VOLTAGE OUTPUT (RMS) ^A	7.0 8.5	44 50	VOLTS

^A AT FIVE PER CENT TOTAL HARMONIC DISTORTION.

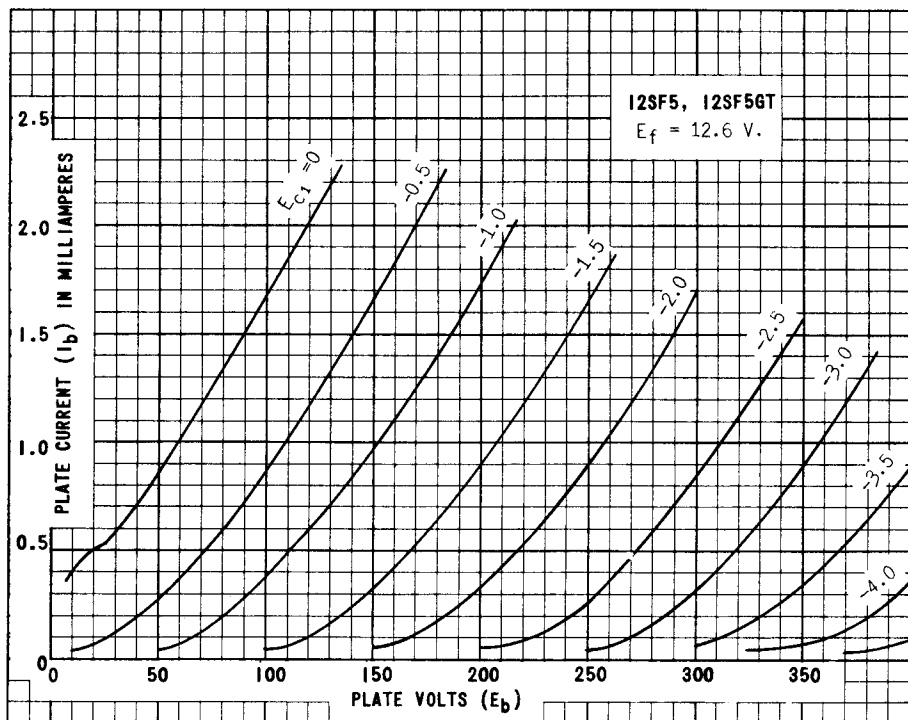


PLATE
1093-1