

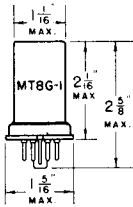
TUNG-SOL

HIGH MU TRIODE AMPLIFIER

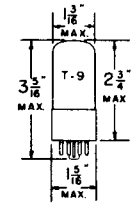
UNIPOENTIAL CATHODE

HEATER

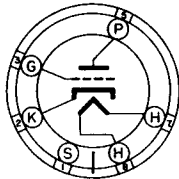
12.6 VOLTS 0.15 AMPERE
AC OR DC



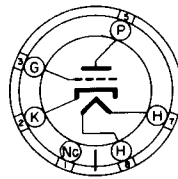
METAL SHELL
SMALL WAFER
6 PIN OCTAL BASE
12SF5



GLASS BULB
INTERMEDIATE
6 PIN OCTAL BASE
12SF5GT



6AB



G-6AB

BOTTOM VIEWS

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.

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	μf		
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.

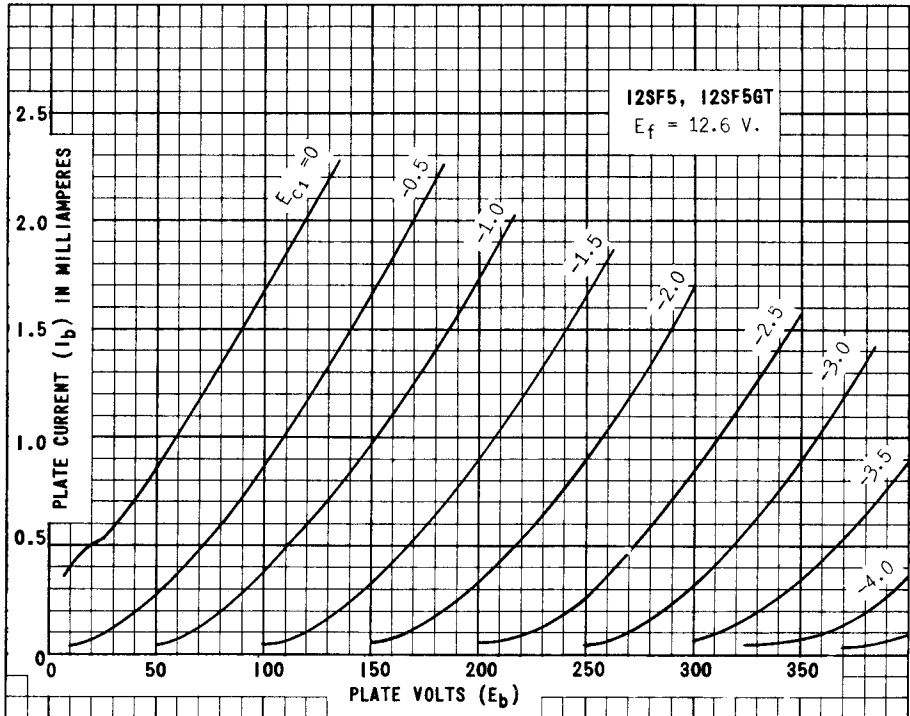


PLATE
1093-1