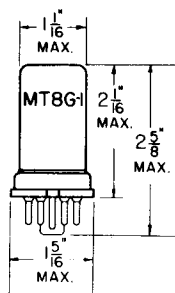


TUNG-SOL

DIODE-SUPER-CONTROL AMPLIFIER PENTODE

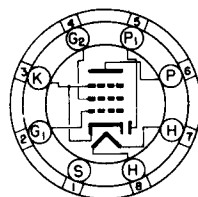


METAL SHELL

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.3 AMPERE
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SMALL WAFER
8-PIN OCTAL

THE 6SF7 COMBINES A DIODE AND PENTODE IN A SINGLE-ENDED CONSTRUCTION. IT IS DESIGNED FOR SERVICE AS A COMBINED IF AMPLIFIER, DETECTOR AND A.V.C. RECTIFIER.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

PENTODE UNIT

HEATER VOLTAGE (AC OR-DC)	6.3	VOLTS
HEATER CURRENT	0.3	AMP.
MAX. PLATE VOLTAGE	300	VOLTS
MAX. SCREEN VOLTAGE	100	VOLTS
MAX. SCREEN SUPPLY VOLTAGE	300	VOLTS
MIN. GRID VOLTAGE	0	VOLTS
MAX. PLATE DISSIPATION	3.5	WATTS
MAX. SCREEN DISSIPATION	0.5	WATT
HEATER-CATHODE VOLTAGE	AS LOW AS POSSIBLE	

DIRECT INTERELECTRODE CAPACITANCES

WITH SHELL CONNECTED TO CATHODE

PENTODE UNIT

GRID TO PLATE (MAX.)	0.004	μ mf
INPUT	5.5	μ mf
OUTPUT	6.0	μ mf
PENTODE PLATE TO DIODE	0.8	μ mf
PENTODE GRID TO DIODE (MAX.)	0.002	μ mf

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

PENTODE UNIT - CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
SCREEN VOLTAGE	100	100	VOLTS
GRID VOLTAGE	-1	-1	VOLTS
PLATE CURRENT	12	12.4	MA.
SCREEN CURRENT	3.4	3.3	MA.
PLATE RESISTANCE (APPROX.)	0.2	0.7	MEGOHM
TRANSCONDUCTANCE	1975	2050	μMHOS
GRID BIAS (APPROX.) FOR TRANSCONDUCTANCE OF 10 μMHOS	-35	-35	VOLTS

DIODE UNIT

THE DIODE UNIT IS PLACED AROUND THE CATHODE, THE SLEEVE OF WHICH IS COMMON TO THE PENTODE UNIT.

SIMILAR TYPE REFERENCE: *Except for heater ratings, same characteristics and application as type 12SF7.*

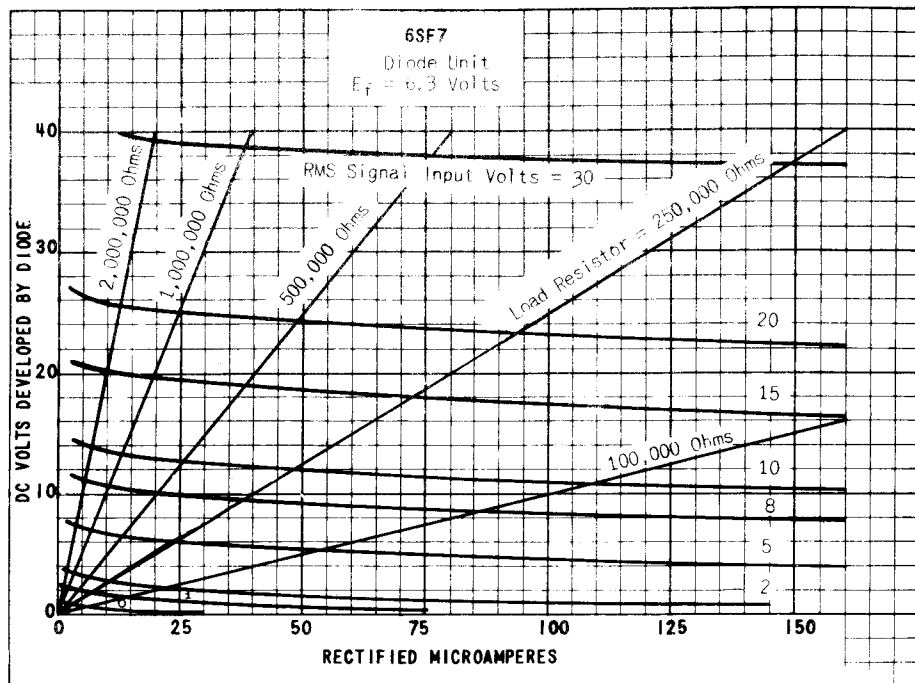
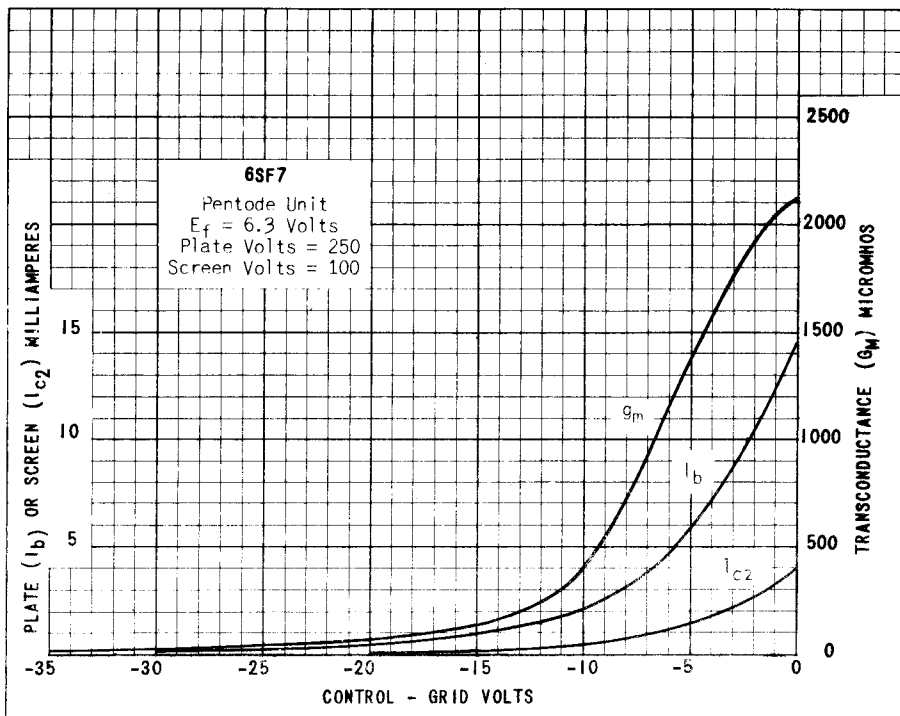


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