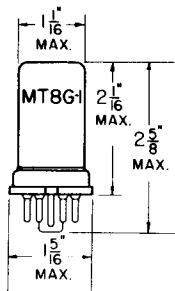


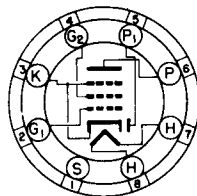
TUNG-SOL

### DIODE-SUPER-CONTROL AMPLIFIER PENTODE



COATED UNIPOTENTIAL CATHODE

HEATER  
6.3 VOLTS 0.3 AMPERE  
AC OR DC



ANY MOUNTING POSITION

METAL SHELL

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	$\mu\text{f}$
INPUT	5.5	$\mu\text{f}$
OUTPUT	6.0	$\mu\text{f}$
PENTODE PLATE TO DIODE	0.8	$\mu\text{f}$
PENTODE GRID TO DIODE (MAX.)	0.002	$\mu\text{f}$

CONTINUED ON FOLLOWING PAGE

## TUNG-SOL

CONTINUED FROM PRECEDING PAGE

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

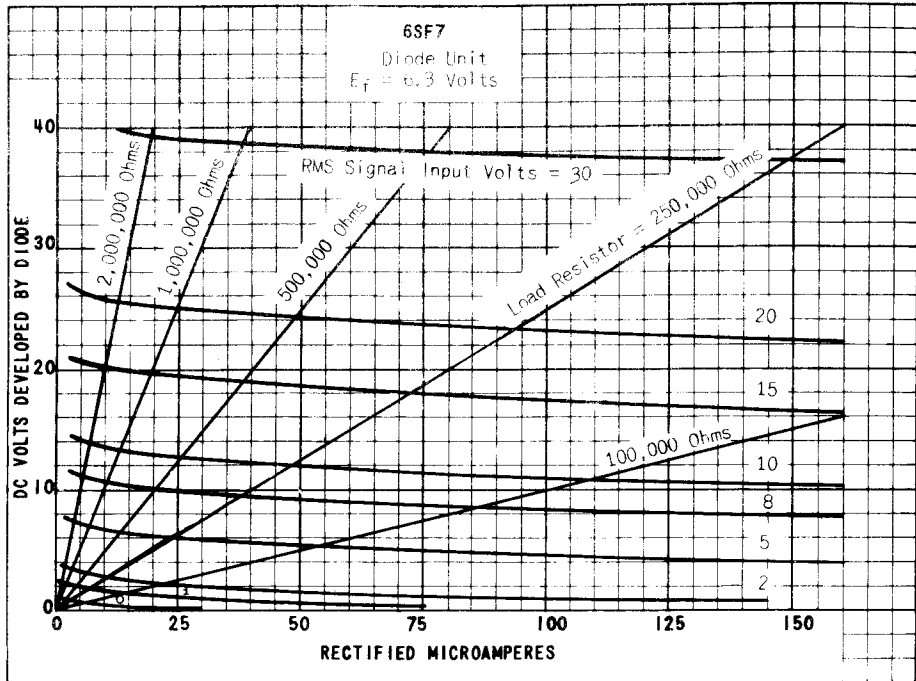
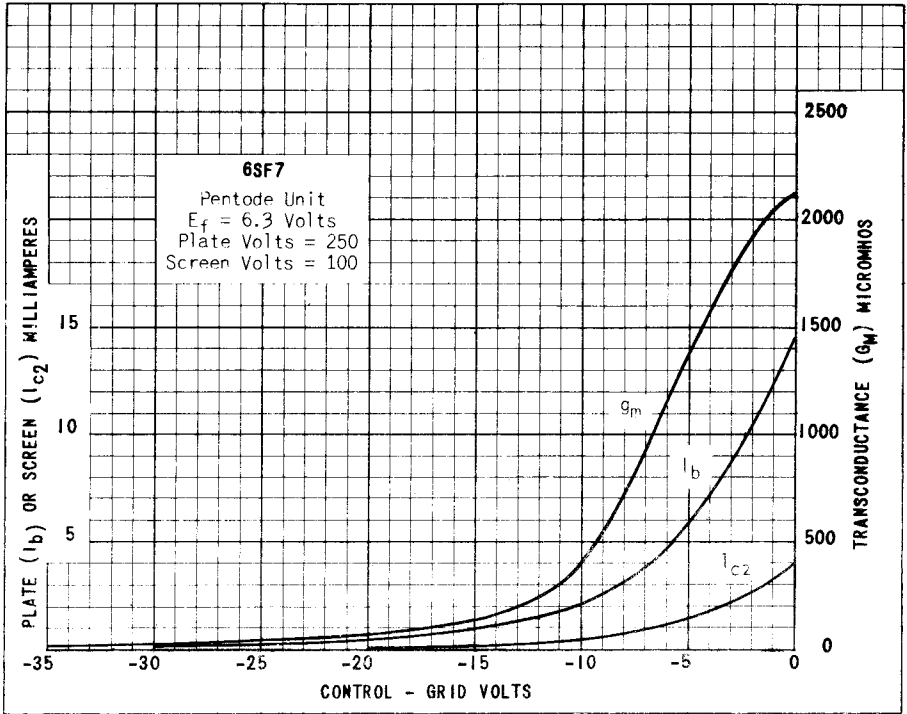
PENTODE UNIT - CLASS A<sub>1</sub> AMPLIFIER

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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PLATE  
 1610  
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 1945