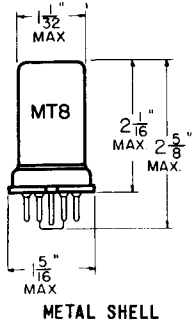


TUNG-SOL

DIODE PENTODE



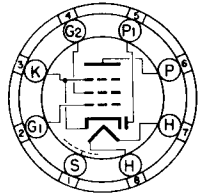
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 300 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
SMALL WAFER
8 PIN OCTAL
7A2

THE 6SV7 COMBINES A DIODE AND SHARP CUT OFF RF AMPLIFIER PENTODE IN THE METAL CONSTRUCTION. IT IS DESIGNED FOR USE AS AN AM DETECTOR, VOLTAGE AMPLIFIER AND FM LIMITER BELOW 30 MC.

DIRECT INTERELECTRODE CAPACITANCES
MEASURED WITH SHELL CONNECTED TO CATHODE

GRID TO PLATE: (G_1 TO P) MAX.	0.004	$\mu\mu\text{f}$
INPUT: G_1 TO (H+K& G_3 + G_2 +S)	6.5	$\mu\mu\text{f}$
OUTPUT: P TO (H+K& G_3 + G_2 +S)	6	$\mu\mu\text{f}$
GRID TO DIODE PLATE: (G_1 TO 1P) MAX.	0.002	$\mu\mu\text{f}$
DIODE PLATE TO ALL: 1P TO (H+K& G_3 + G_1 + G_2 +P+S)	5	$\mu\mu\text{f}$

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD W8-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM GRID #2 VOLTAGE	150	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE	300	VOLTS
MAXIMUM POSITIVE DC GRID #1 VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	2.3	WATTS
MAXIMUM GRID #2 DISSIPATION	0.6	WATT
MAXIMUM GRID #1 CURRENT	1.8	MA.
MAXIMUM DIODE CURRENT	3	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	300	300	MA.
PLATE VOLTAGE	100	250	VOLTS
GRID #2 VOLTAGE	100	150	VOLTS
GRID #1 VOLTAGE	-1	-1	VOLT
PLATE RESISTANCE (APPROX.)	0.7	1.5	MEG OHMS
TRANSCONDUCTANCE	2 600	3 600	μMHOS
PLATE CURRENT	3.7	7.5	MA.
GRID #2 CURRENT	1.4	2.8	MA.
GRID #1 VOLTAGE (APPROX.) FOR $I_b = 10 \mu\text{A}$	-4.5	-7	VOLTS
AVERAGE DIODE CURRENT AT 10 VOLTS DC	15	15	MA.

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6SV7

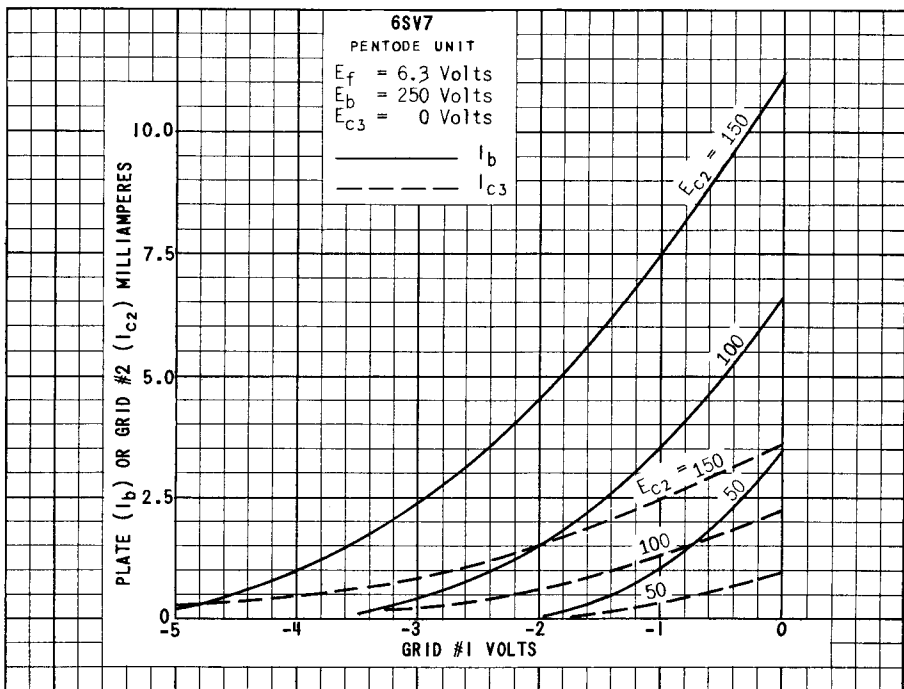
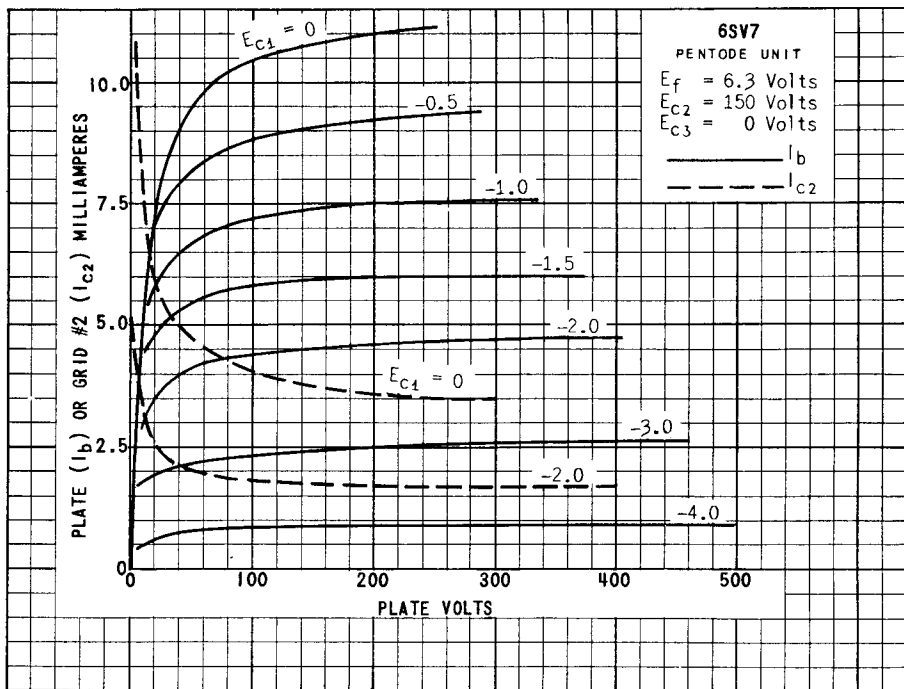
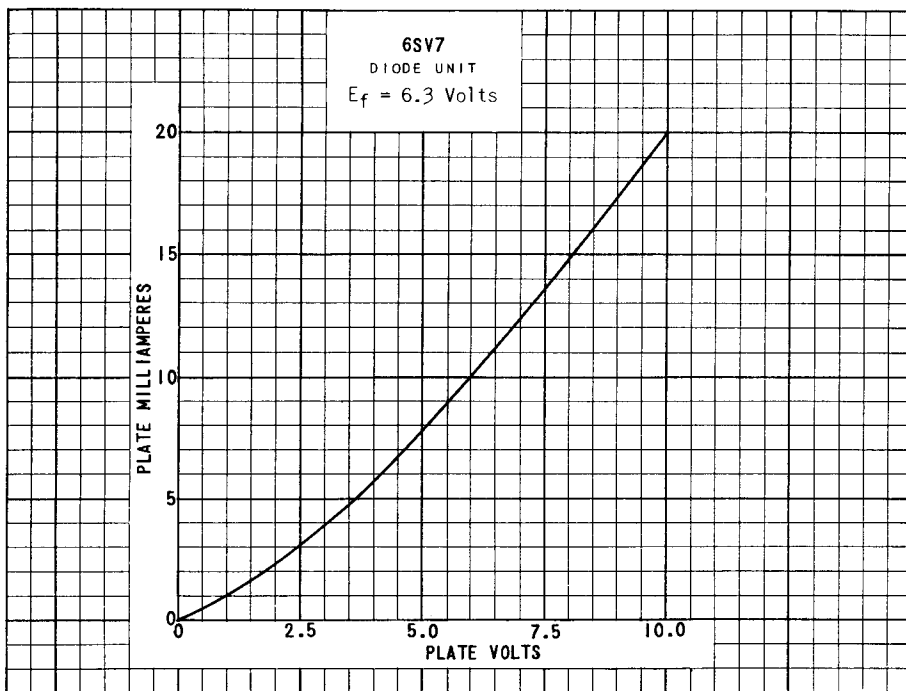
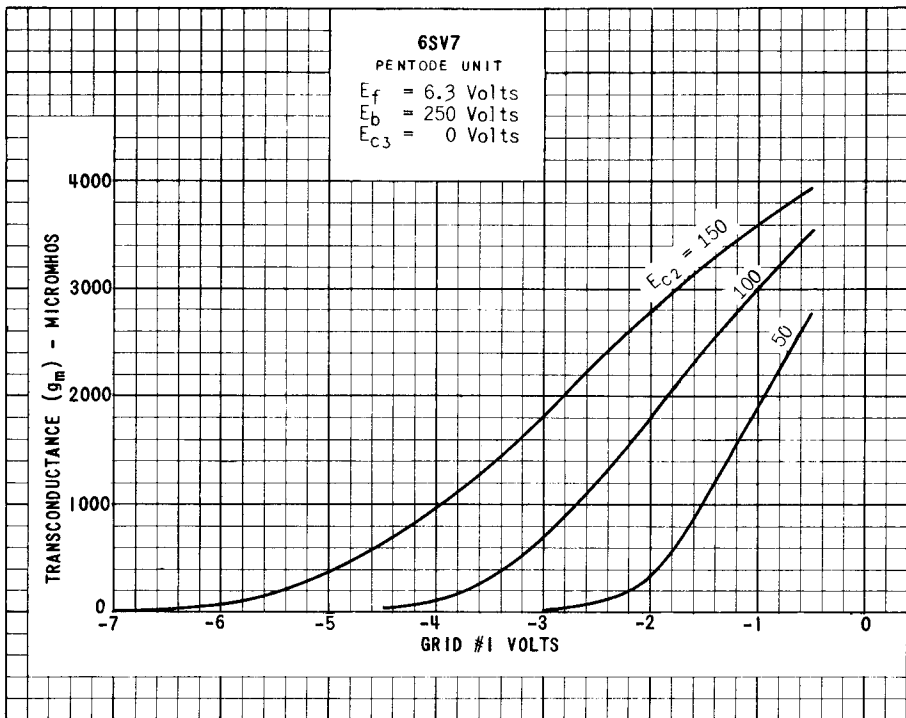


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