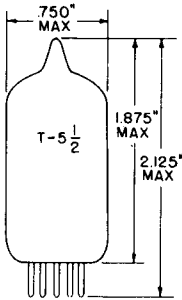
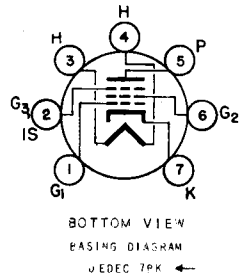


TUNG-SOL



GLASS BULB
MINIATURE BUTTON
7 PIN BASE E7-7
OUTLINE DRAWING:
JEDEC 5-2

PENTODE
MINIATURE TYPE
COATED UNIPOTENTIAL CATHODE
HEATER
6.3±0.6 VOLTS 300 MA.
AC OR DC
ANY MOUNTING POSITION



THE 6BA6 IS A PENTODE AMPLIFIER HAVING REMOTE CONTROL GRID CHARACTERISTIC AND UTILIZING THE MINIATURE CONSTRUCTION. AS AN RF AMPLIFIER IT IS CHARACTERIZED BY HIGH TRANSCONDUCTANCE AND LOW GRID-PLATE CAPACITANCE.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD ^A	WITHOUT SHIELD	
GRID TO PLATE: G_1 TO P (MAX.)	0.0035	0.0035	pf
INPUT: G_1 TO (H+K+ G_2 + G_3 +IS)	5.5	5.5	pf
OUTPUT: P TO (H+K+ G_2 + G_3 +IS)	5.5	5	pf

^AEXTERNAL SHIELD #316 CONNECTED TO PIN #7.

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

MAXIMUM PEAK HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHODE		200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		200 ^C	VOLTS
MAXIMUM PLATE VOLTAGE		330	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE		330	VOLTS
MAXIMUM GRID #2 VOLTAGE		SEE J5-C4	
MAXIMUM GRID #3 VOLTAGE	PIN #2 CONNECTED TO PIN #7 AT SOCKET		
MAXIMUM POSITIVE DC GRID #1 VOLTAGE		0	VOLTS
MAXIMUM NEGATIVE DC GRID #1 VOLTAGE		55	VOLTS
MAXIMUM PLATE DISSIPATION		3.4	WATTS
MAXIMUM GRID #2 DISSIPATION:			
FOR VOLTAGES UP TO 165 VOLTS		0.7	WATT
FOR VOLTAGES BETWEEN 165 & 330 VOLTS		SEE J5-C4	

^CTHE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

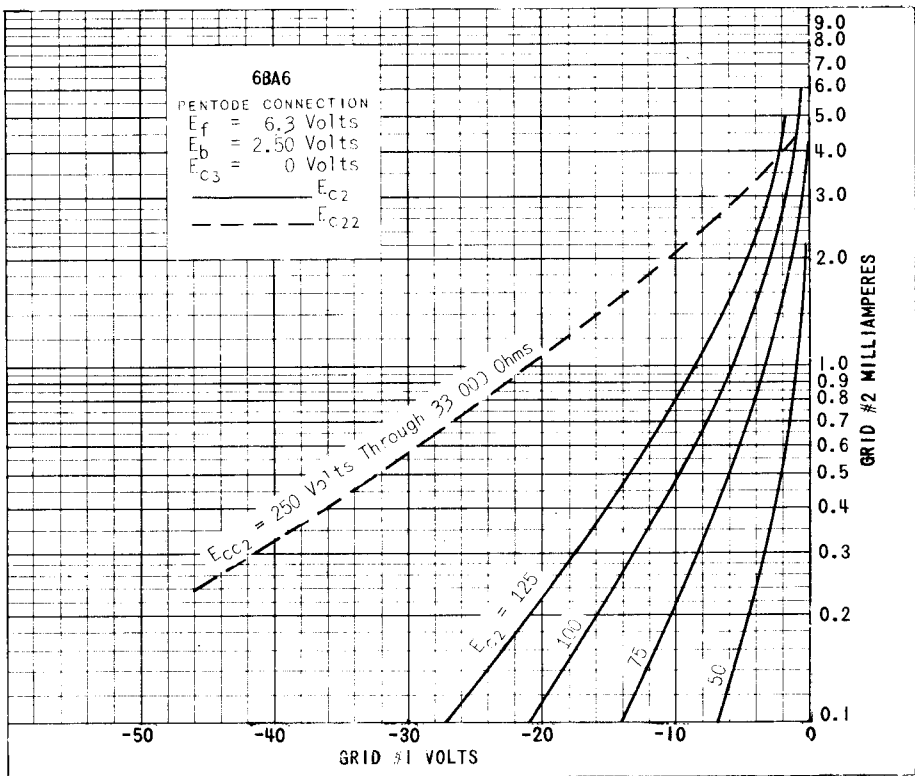
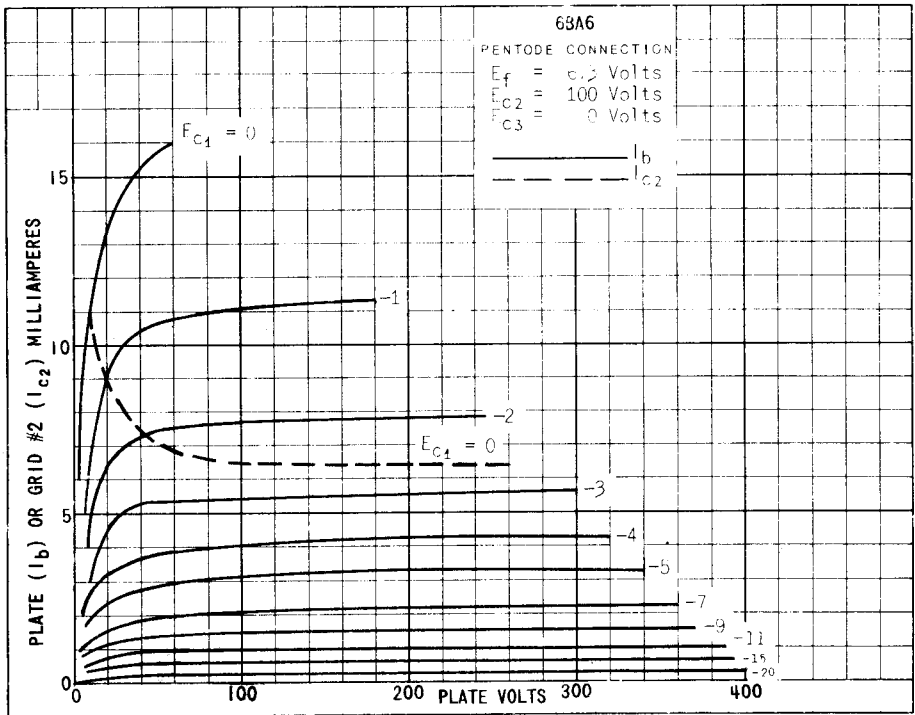
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
GRID #3 VOLTAGE	0	0	VOLTS
GRID #2 VOLTAGE	100	100	VOLTS
CATHODE BIAS RESISTOR	68	68	OHMS
PLATE RESISTANCE (APPROX.)	0.25	1.0	MEG OHM
TRANSCONDUCTANCE	4 300	4 400	UMHOS
PLATE CURRENT	10.8	11	MA.
GRID #2 CURRENT	4.4	4.2	MA.
GRID #1 VOLTAGE (APPROX.) FOR $G_m = 40$ UMHOS	-20	-20	VOLTS

→ INDICATES A CHANGE.

6BA6



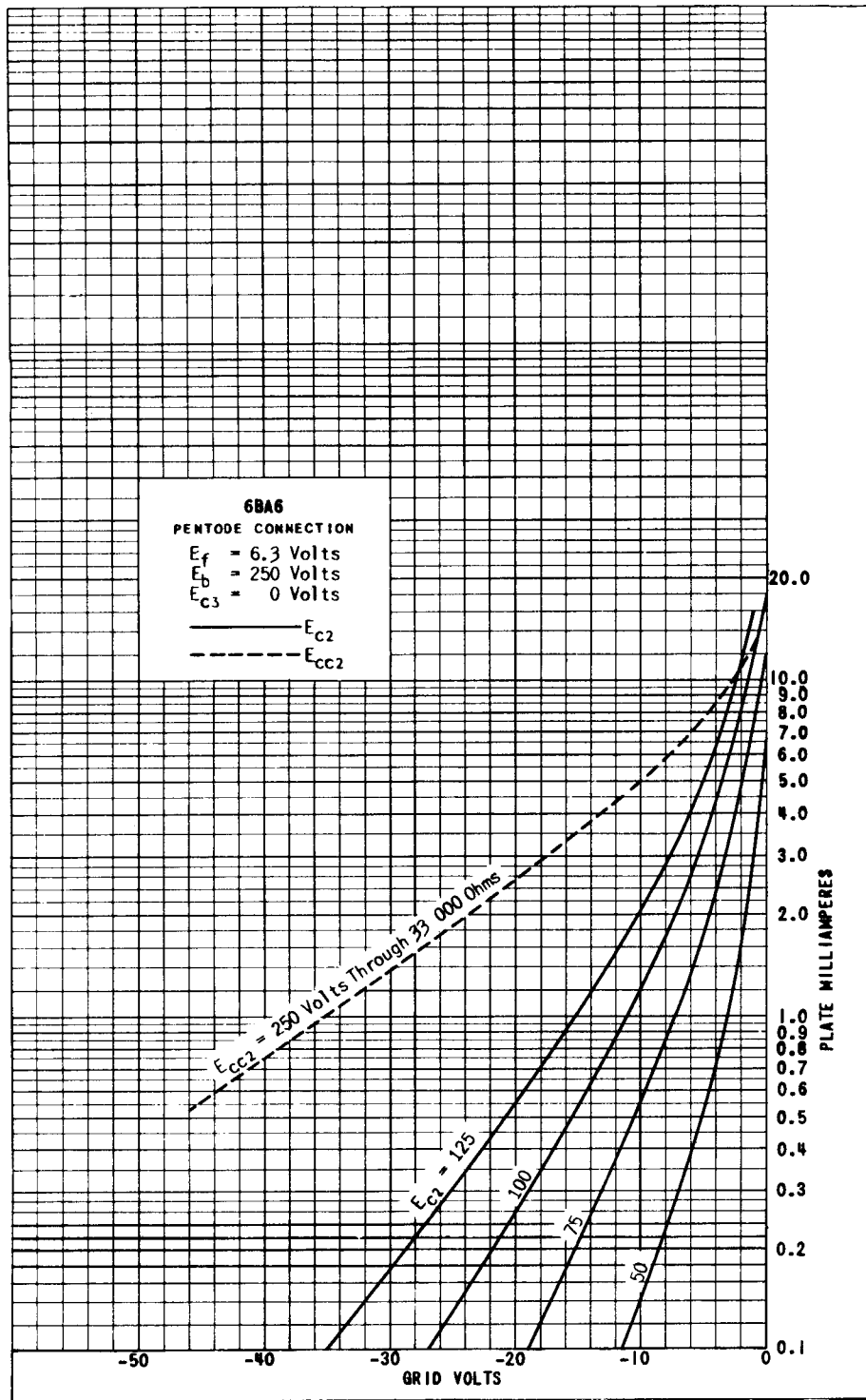


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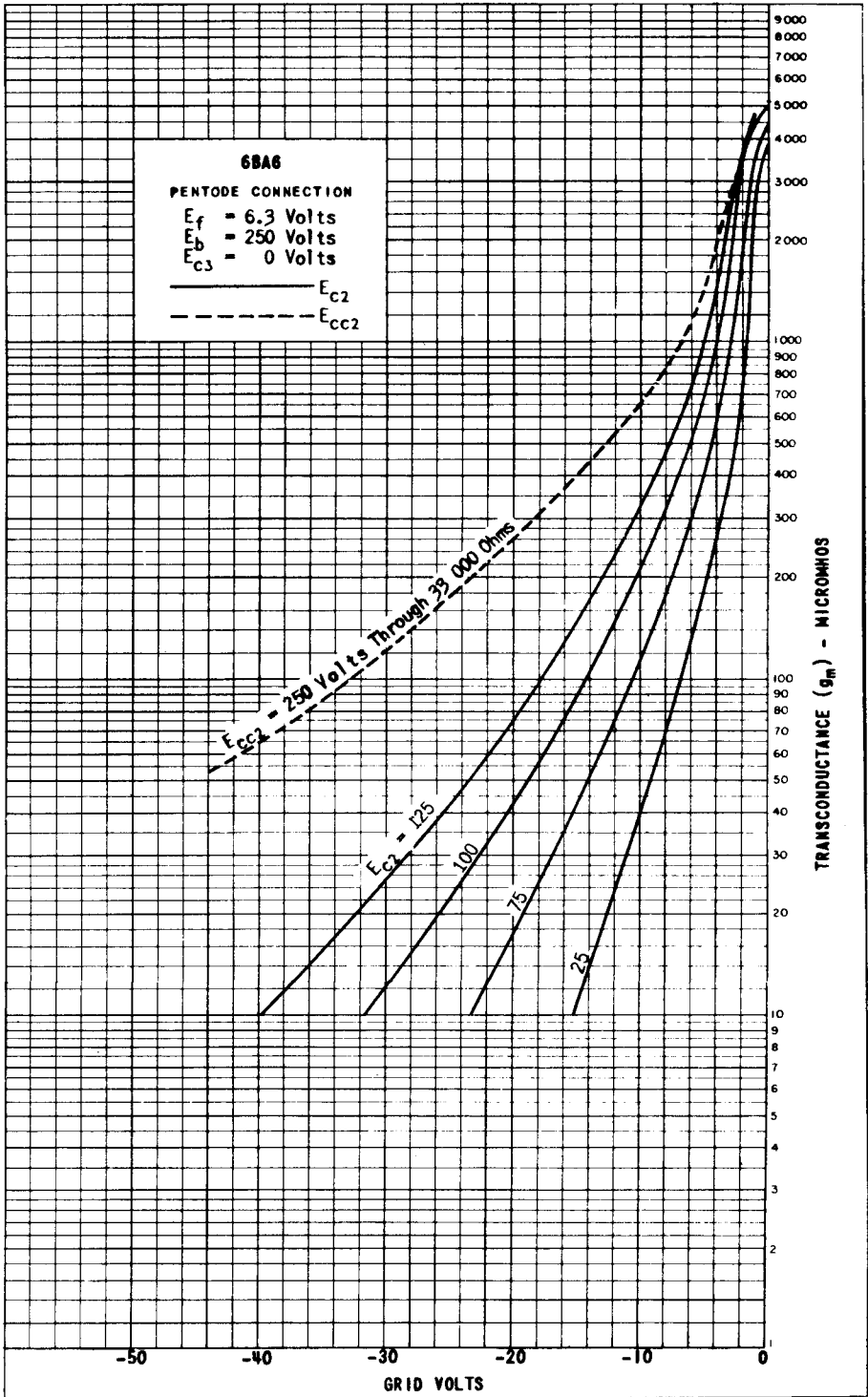


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