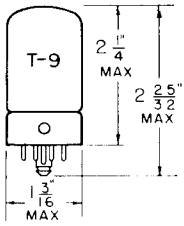
TUNG-SOL

PENTODE



GLASS BULB

UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN 8 PIN BASE

THE 7AH7 IS A HEATER-CATHODE TYPE SEMI-REMOTE CUT-OFF PENTODE VOLTAGE AMPLIFIER USING THE LOCK-IN CONSTRUCTION. IT IS CHARACTERIZED BY MODERATELY HIGH TRANSCONDUCTANCE AND LOW INTERELECTRODE CAPACITANCES AS WELL AS ECONOMY OF HEATER POWER.

DIRECT INTERELECTRODE CAPACITANCES

WITH RMA SHIELD #308 CONNECTED TO CATHODE

GRID TO PLATE: (G_1 TO P) MAX.	0.005	μμf
INPUT: G_1 TO (H+K+G_2+G_3+IS)	7	μμf
OUTPUT: P TO (H+K+G_2+G_3+IS)	6.5	μμf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM GRID #2 VOLTAGE	300	VOLTS
MINIMUM EXTERNAL GRID #1 VOLTS	-1	VOLTS
MAXIMUM PLATE DISSIPATION	2	WATTS
MAXIMUM GRID #2 DISSIPATION	0.7	WATT

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	150	MA.
PLATE VOLTAGE	250	VOLTS
GRID #3 VOLTAGE	PIN #4 CONNECTED TO PIN #7 AT SOCKET	
GRID #2 VOLTAGE	250	VOLTS
SELF BIAS RESISTOR[A]	250	OHMS
PLATE RESISTANCE (APPROX.)	1	MEGOHM
TRANSCONDUCTANCE	3 300	μMHOS
PLATE CURRENT	6.8	MA.
GRID #2 CURRENT	1.9	MA.
GRID #1 VOLTAGE (APPROX.) FOR g_m = 35 μMHOS	-20	VOLTS

[A] BIAS VOLTAGE IS APPROXIMATELY 2 VOLTS, BUT FIXED BIAS IS NOT RECOMMENDED.

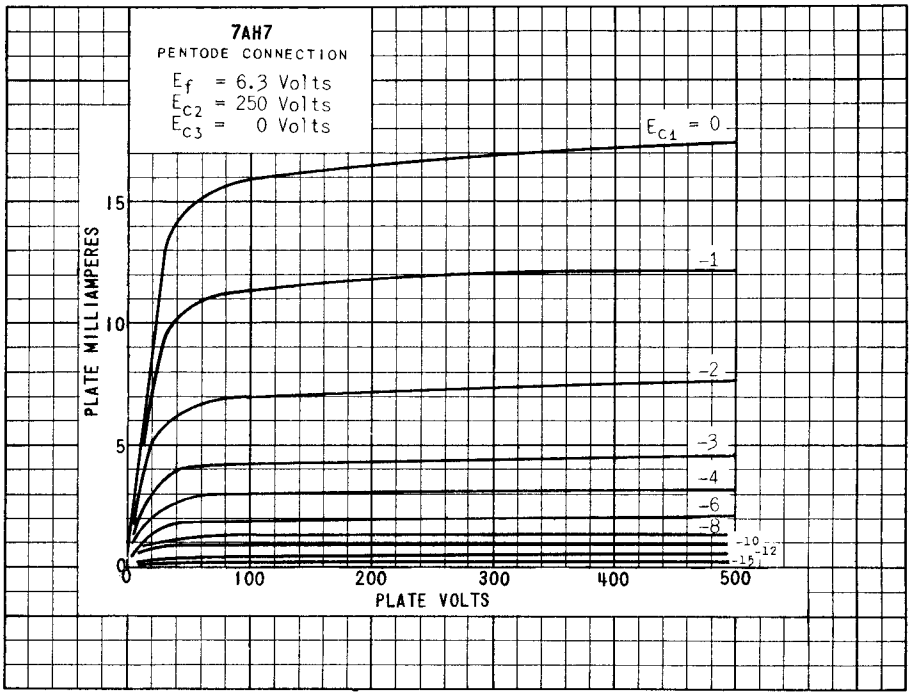
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7AH7



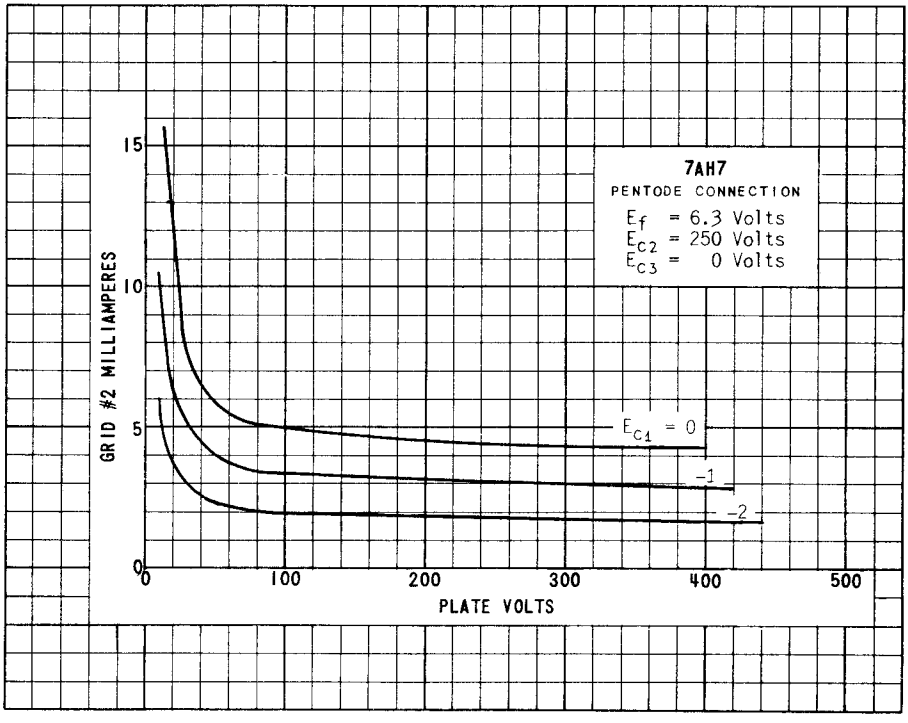
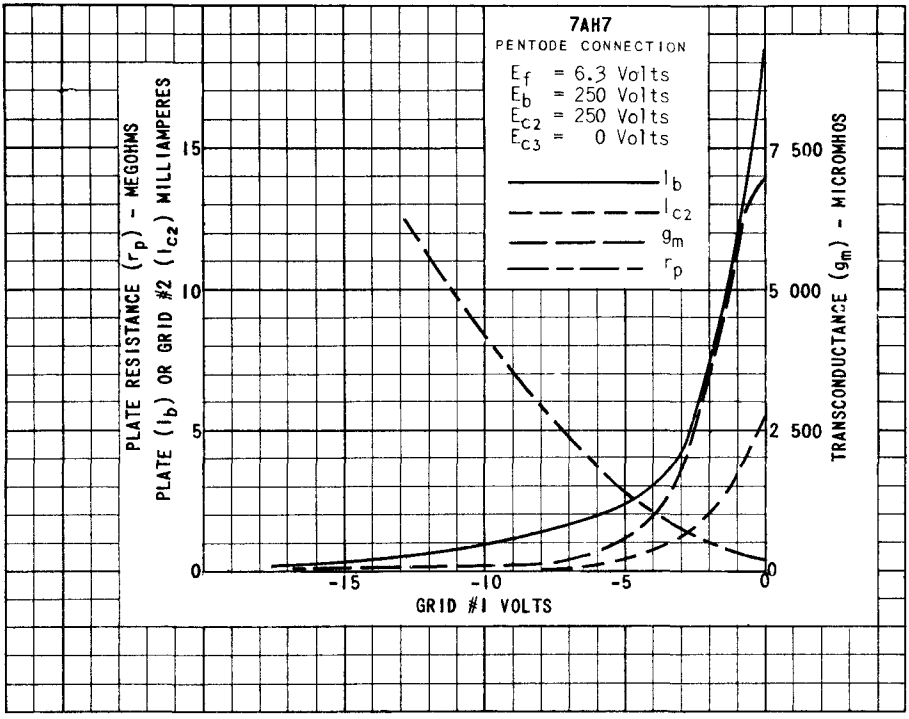
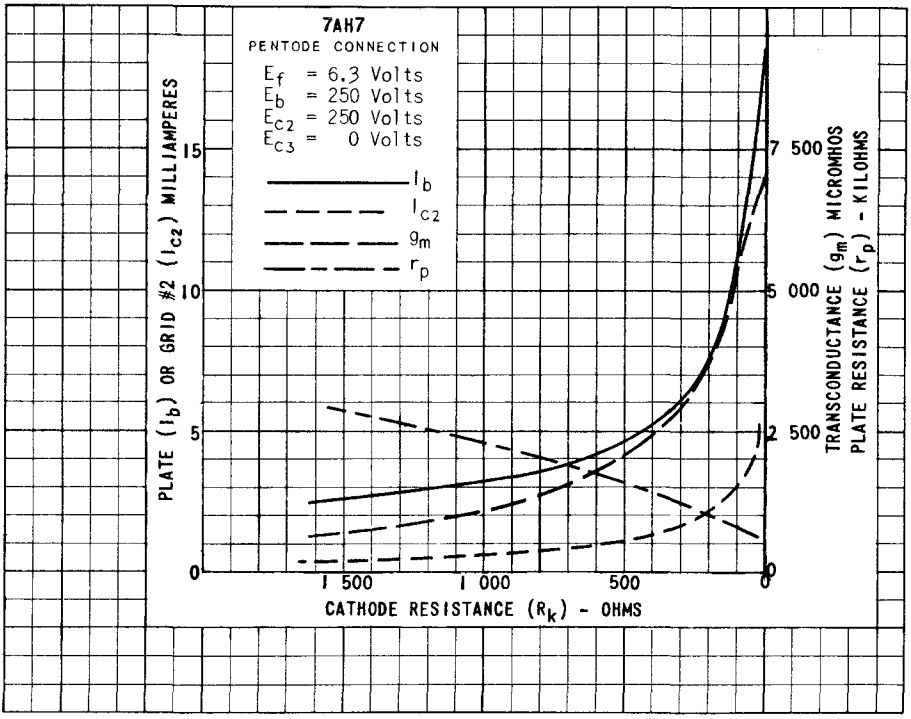


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