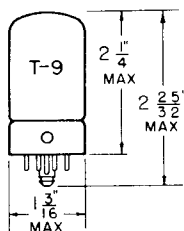


TUNG-SOL

PENTODE

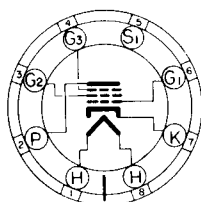


GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 300 MA.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN
8 PIN BASE
8V

THE 7A7 IS A PENTODE VOLTAGE AMPLIFIER USING THE LOCK-IN CONSTRUCTION. IT IS DESIGNED FOR RF OR IF SERVICE IN AC/DC RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES

WITH RMA SHIELD #308 CONNECTED TO CATHODE

GRID TO PLATE: (G ₁ TO P)	0.003	μuf
INPUT: G ₁ TO (H+K+G ₂ +G ₃ +I+S)	6	μuf
OUTPUT: P TO (H+K+G ₂ +G ₃ +I+S)	7	μuf

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	125	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE	300	VOLTS
MINIMUM EXTERNAL GRID #1 VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	4	WATTS
MAXIMUM GRID #2 DISSIPATION	0.4	WATT

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

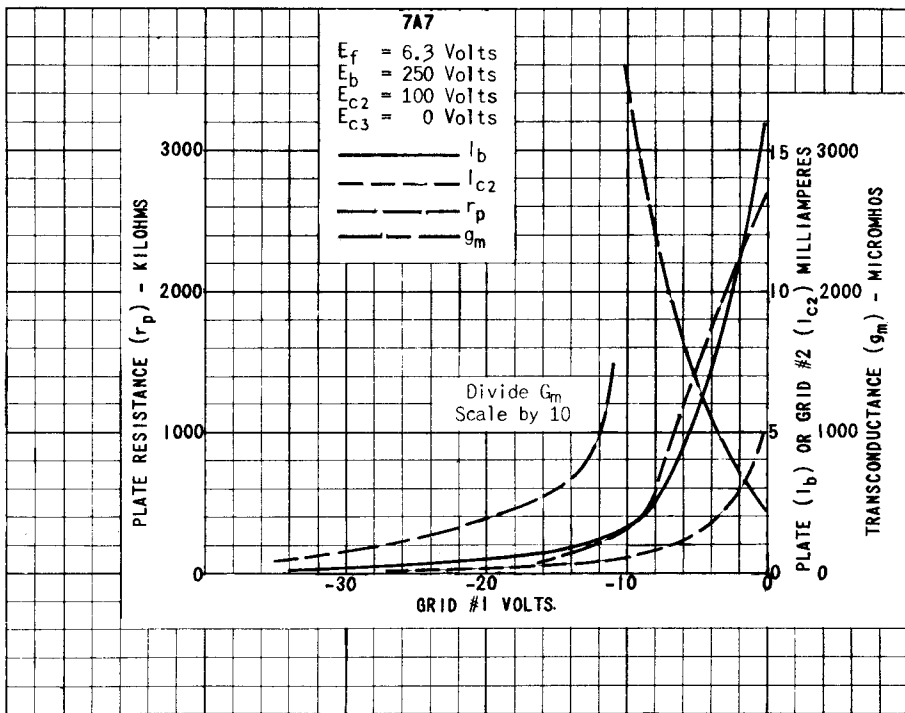
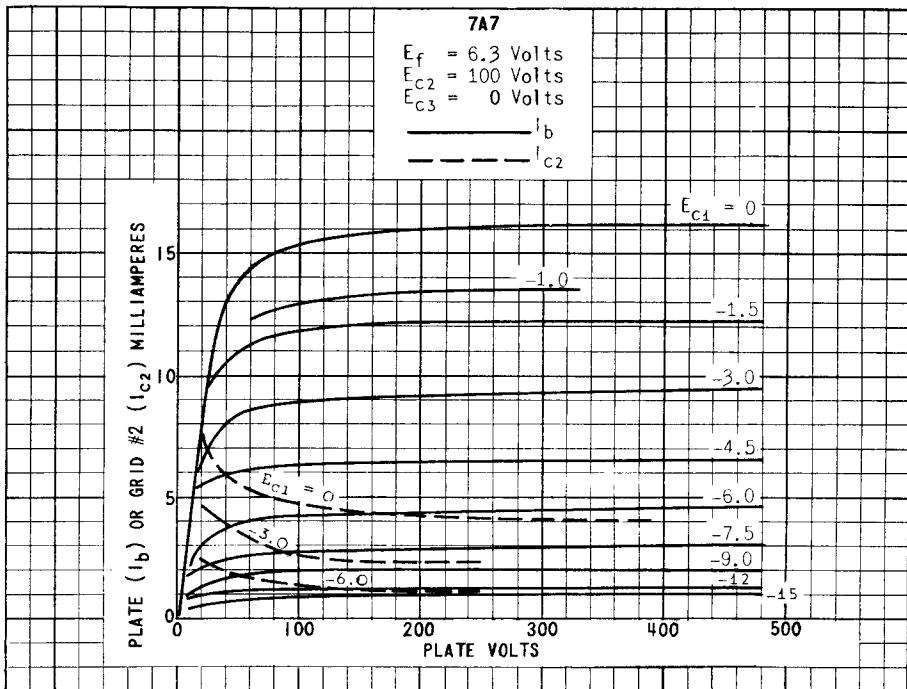
CLASS A₁ AMPLIFIER

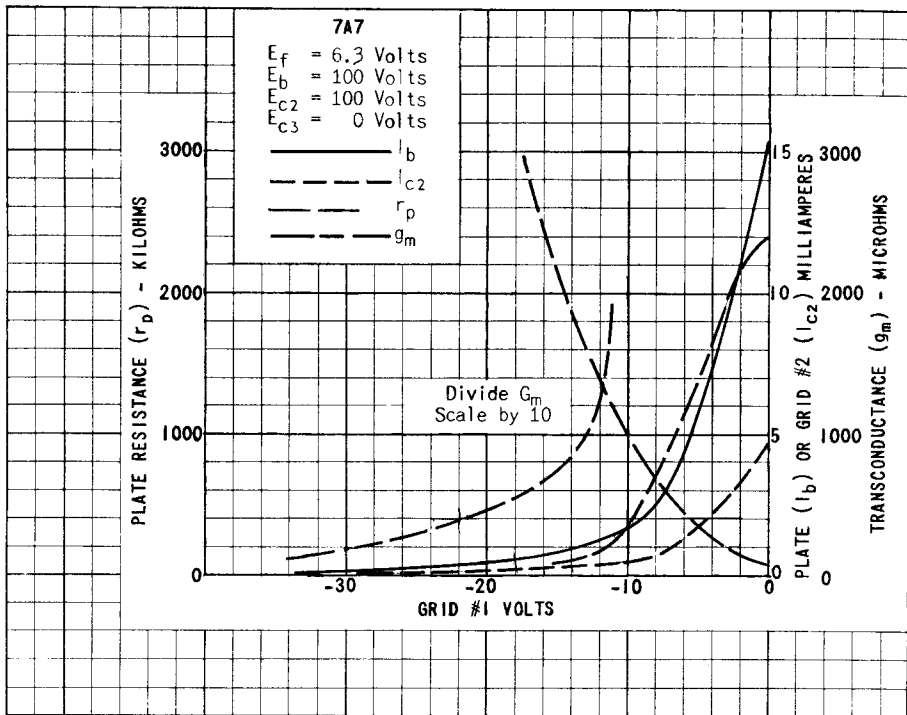
HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	300	300	MA
PLATE VOLTAGE	100	250	VOLTS
GRID #3 VOLTAGE			
GRID #2 VOLTAGE	100	100	VOLTS
GRID #1 VOLTAGE	-1	-3	VOLTS
SELF BIAS RESISTOR	60	260	OHMS
PLATE RESISTANCE (APPROX.)	0.12	0.6	MEGOHM
TRANSCONDUCTANCE	2350	2000	μMHOS
PLATE CURRENT	13	9.2	MA.
GRID #2 CURRENT	4	2.6	MA.
GRID #1 VOLTAGE FOR G _m = 10 μMHOS (APPROX.)	-35	-35	VOLTS

→ INDICATES A CHANGE OR ADDITION

PLATE
2398
MAY 1
1950

PRINTED IN U. S. A.





PRINTED IN U. S. A.

PLATE
2400
MAY 1
1950