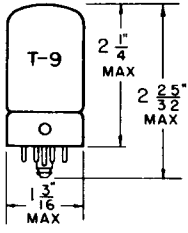
TENTATIVE DATA

(7A7) 14A7/12B7

TUNG-SOL

PENTODE



GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER
12.6 VOLTS 150 MA.
AC OR DC

ANY MOUNTING POSITION

BOTTOM VIEW
LOCK-IN
8 PIN BASE
8V

THE 14A7/12B7 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	μμf
INPUT: G_1 TO (H+K+G_2+G_3+IS)	6	μμf
OUTPUT: P TO (H+K+G_2+G_3+IS)	7	μμf

RATINGS
INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	12.6	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 A_1 AMPLIFIER

HEATER VOLTAGE	12.6	12.6	VOLTS
HEATER CURRENT	150	150	MA.
PLATE VOLTAGE	100	250	VOLTS
GRID #3 VOLTAGE	PIN #4 AND PIN #5 CONNECTED TO PIN #8		
GRID #2 VOLTAGE	100	100	VOLTS
GRID #1 VOLTAGE	-1	-3	VOLTS
SELF BIAS RESISTOR	60	260	OHMS
PLATE RESISTANCE (APPROX.)	0.12	0.8	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

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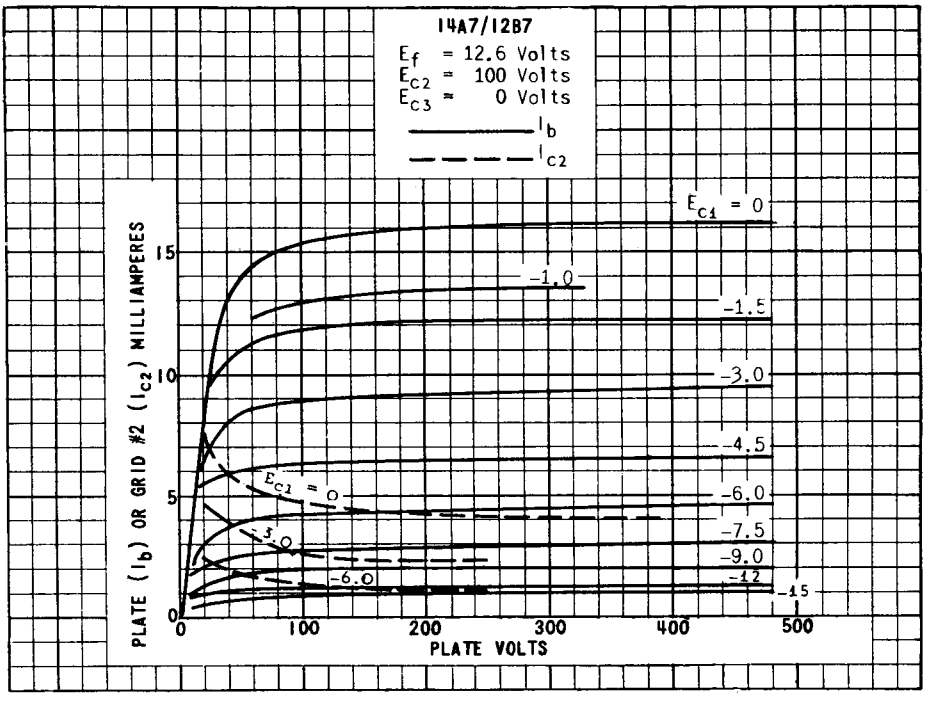
PLATE
2409
MAY 1
1950

14A7/12A7 (7A7)



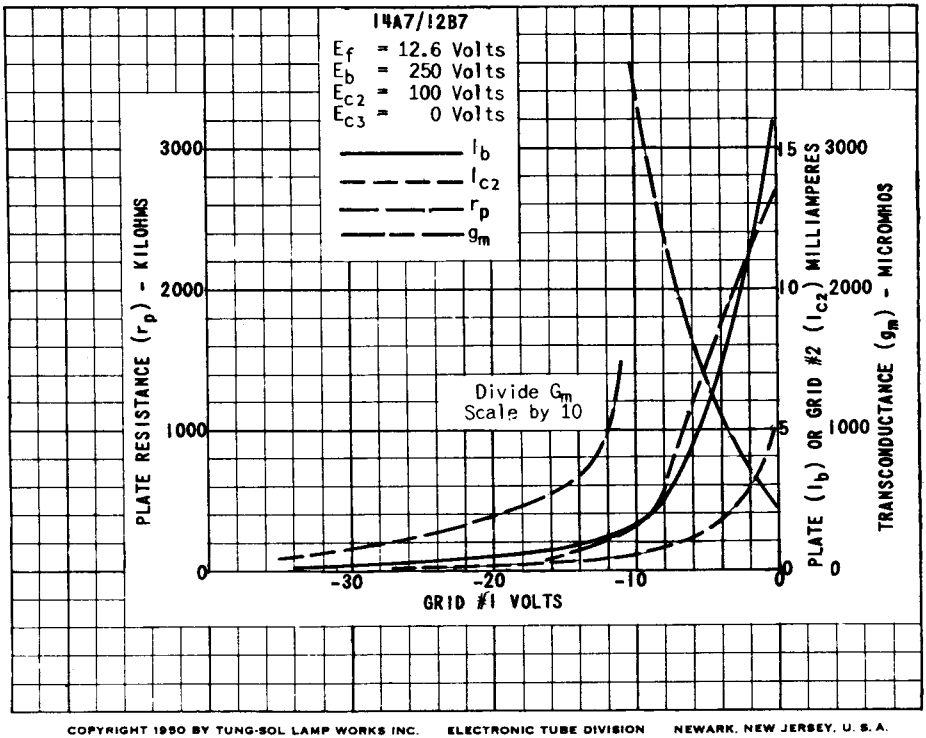


PLATE 2410
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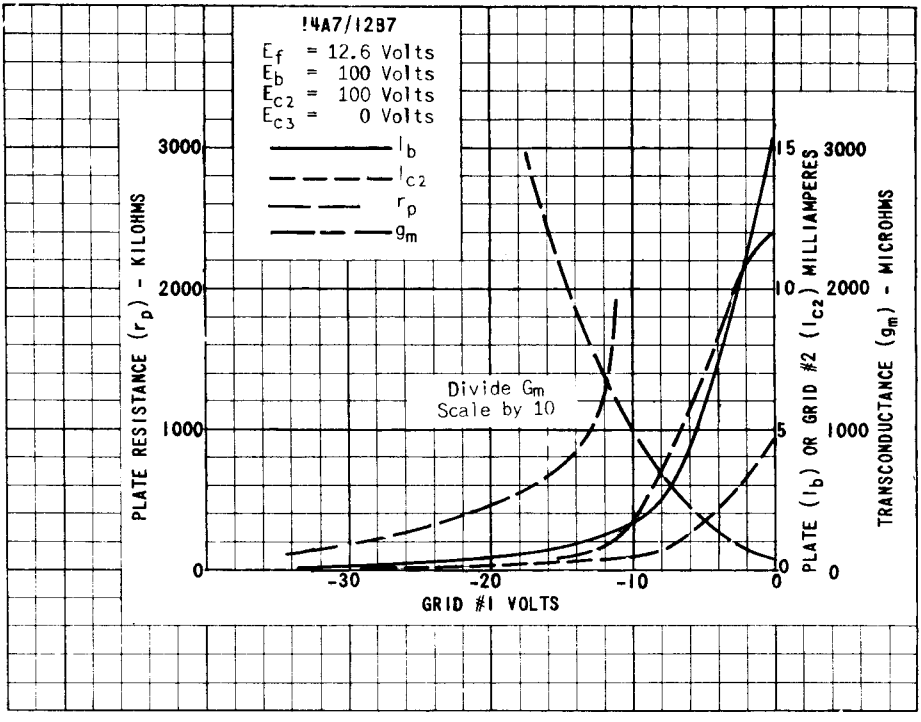

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2411

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