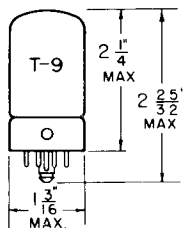


TUNG-SOL

PENTODE



GLASS BULB

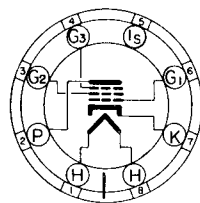
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 300 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK IN-
8 PIN BASE
8v

THE 7L7 IS A TRIPLE GRID SHARP CUT-OFF HIGH TRANSCONDUCTANCE AMPLIFIER USING THE LOCK-IN CONSTRUCTION. IT IS USEFUL AS AN IF AMPLIFIER OR LIMITER IN FM EQUIPMENTS.

DIRECT INTERELECTRODE CAPACITANCES

WITH RMA TUBE SHIELD #308 CONNECTED TO CATHODE

GRID TO PLATE: (G_1 TO P) MAX.	0.01	μf
INPUT: G_1 TO (H+K+ G_2 + G_3 +IS)	8.0	μf
OUTPUT: P TO (H+K+ G_2 + G_3 +IS)	6.5	μf

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 A_1 AMPLIFIER

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	300	300	MA.
PLATE VOLTAGE	100	250	VOLTS
GRID #3 VOLTAGE			PINS #4 & #5 CONNECTED TO PIN AT #7 SOCKET
GRID #2 VOLTAGE	100	100	VOLTS
GRID #1 VOLTAGE	-1	-1.5	VOLTS
CATHODE BIAS RESISTOR	125	250	OHMS
GRID #1 VOLTAGE FOR $I_b = 10 \mu\text{A}$.	-6	-6	VOLTS
PLATE RESISTANCE (APPROX.)	0.1	1	MEG.
TRANSCONDUCTANCE	3 000	3 100	μMHOS
PLATE CURRENT	5.5	4.5	MA.
GRID #2 CURRENT	2.4	1.5	MA.

7L7

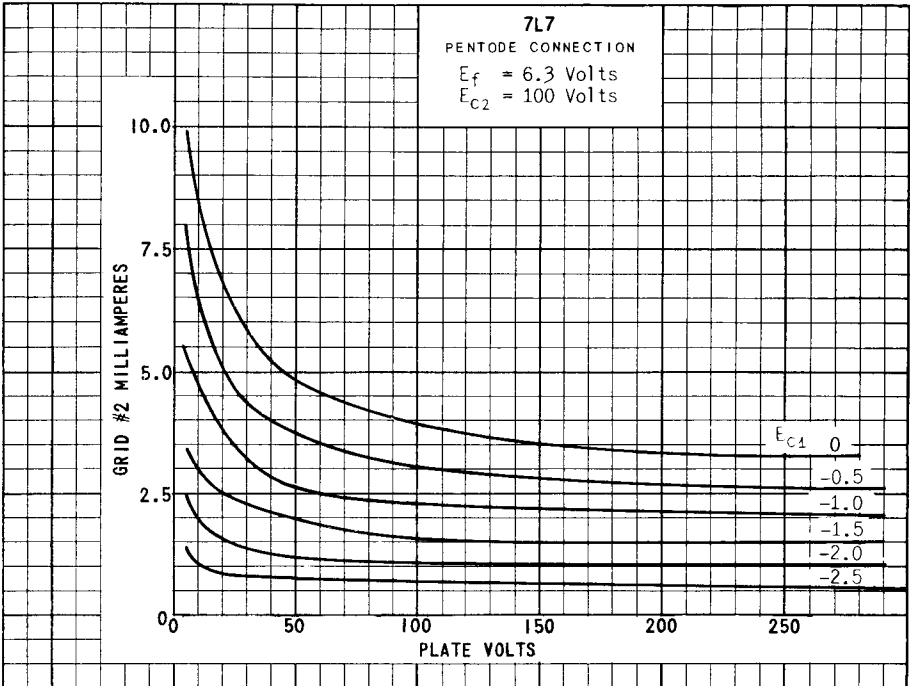
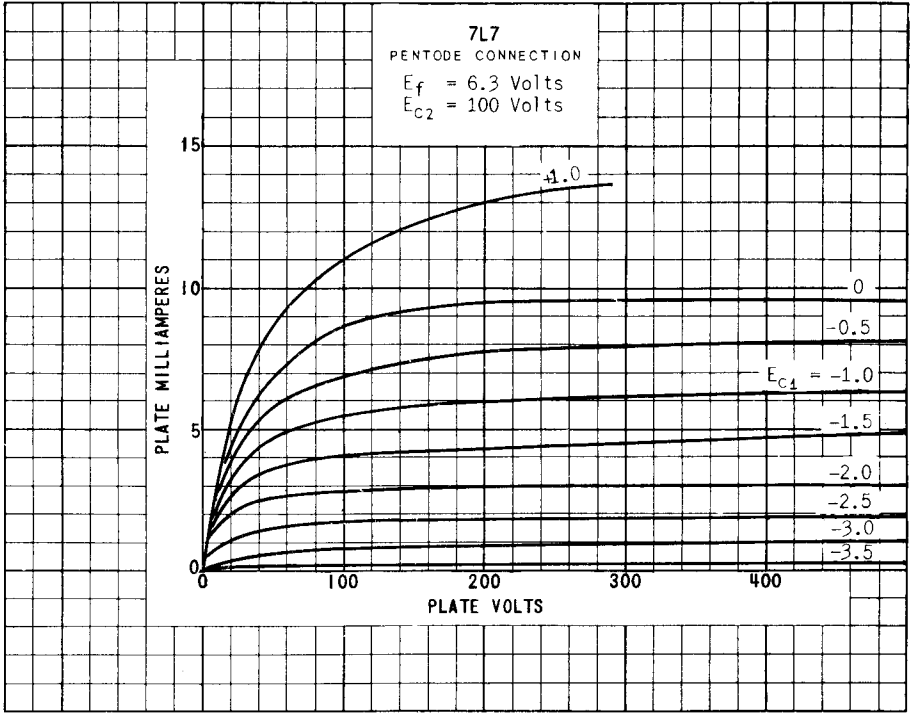


PLATE
2192
MAY 2
1949

