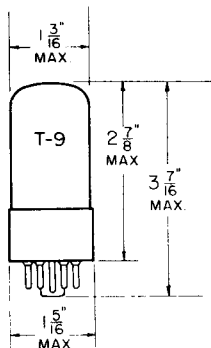


TUNG-SOL

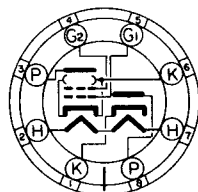
COMBINED HALF WAVE RECTIFIER
AND BEAM POWER AMPLIFIER

GLASS BULB

COATED UNIPOTENTIAL CATHODES

HEATER
70 VOLTS 0.15 AMPERE
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL
8-PIN OCTAL

THE 70L7GT IS A COMBINED RECTIFIER AND POWER OUTPUT BEAM TETRODE DESIGNED FOR SERVICE IN AC-DC RECEIVERS.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-220

HEATER VOLTAGE (AC OR DC)	70	VOLTS
HEATER CURRENT	0.15	AMP.

RECTIFIER UNIT

MAX. PEAK INVERSE PLATE VOLTAGE	350	VOLTS
MAX. PEAK PLATE CURRENT	420	MA.
MAX. DC HEATER-CATHODE POTENTIAL	175	VOLTS

WITH CONDENSER-INPUT FILTER:

MAX. AC PLATE VOLTAGE (RMS)	117	VOLTS
MAX. DC OUTPUT CURRENT	70	MA.
MIN. TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE ^A	15	OHMS

AMPLIFIER UNIT

MAX. PLATE VOLTAGE	117	VOLTS
MAX. SCREEN VOLTAGE	117	VOLTS
MAX. PLATE DISSIPATION	5.0	WATTS
MAX. SCREEN DISSIPATION	1.0	WATT
HEATER-CATHODE VOLTAGE	AS LOW AS POSSIBLE ^B	

^A WHEN A FILTER-INPUT CONDENSER EXCEEDING 40 μ f IS USED, MORE PLATE SUPPLY IMPEDANCE MAY BE NECESSARY TO LIMIT THE PEAK PLATE CURRENT TO THE RATED VALUE.

^B OBTAINED BY CONNECTING PIN #2 TO THE SIDE OF THE LINE OPPOSITE THAT TO WHICH PINS #7 AND #8 ARE CONNECTED.

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	110	VOLTS
SCREEN VOLTAGE	110	VOLTS
GRID VOLTAGE	7.5	VOLTS
PEAK AF GRID VOLTAGE	7.5	VOLTS
ZERO-SIGNAL PLATE CURRENT	40	MA.
ZERO-SIGNAL SCREEN CURRENT (APPROX.)	3	MA.
MAX.- SIGNAL PLATE CURRENT	43	MA.
MAX.- SIGNAL SCREEN CURRENT (APPROX.)	6	MA.
GRID RESISTOR (MAX.)		
FIXED BIAS	0.1	MEG OHM
CATHODE BIAS	0.5	MEG OHM
PLATE RESISTANCE	15 000	OHMS
LOAD RESISTANCE	2000	OHMS
TRANSCONDUCTANCE	7500	μMHOS
MAX.-SIGNAL POWER OUTPUT	1.8	WATTS
TOTAL HARMONIC DISTORTION	10	PER CENT

SIMILAR TYPE REFERENCE: Rectifier unit similar to types 117E3 and 117E4GT; amplifier unit somewhat similar to types 25L60, 35A5, 35L60.

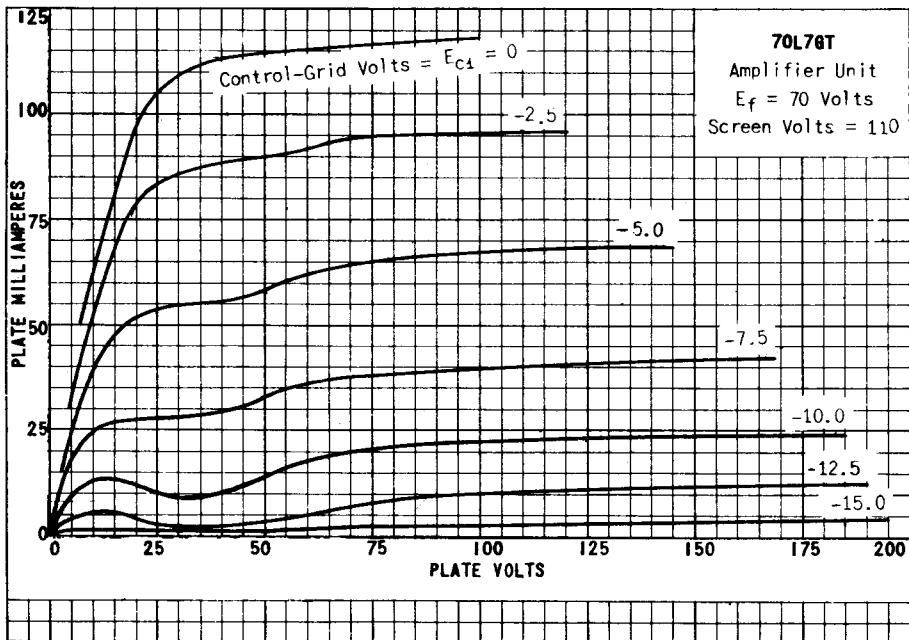
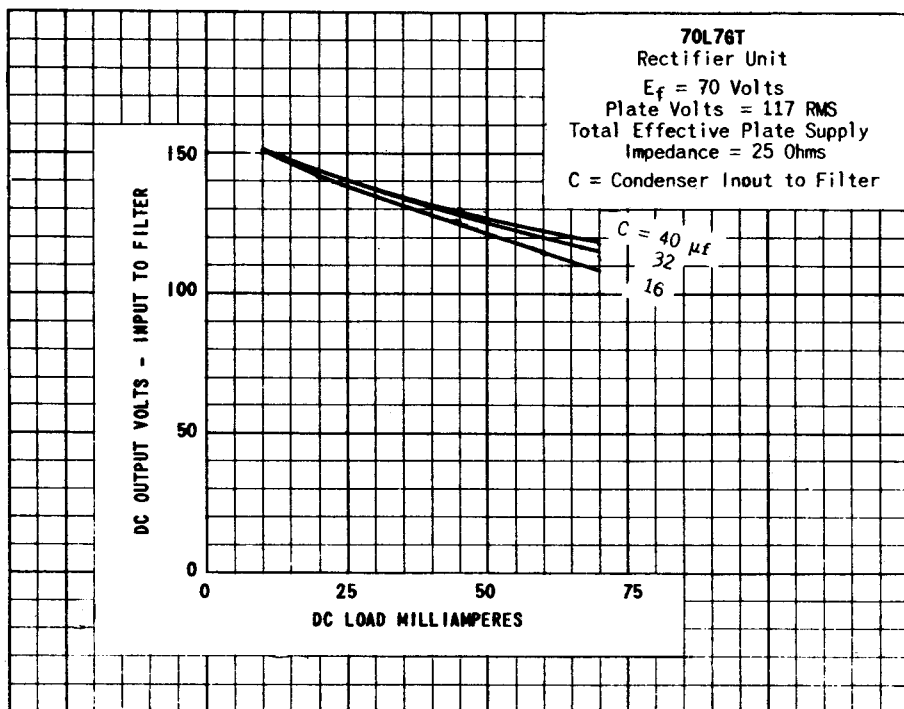
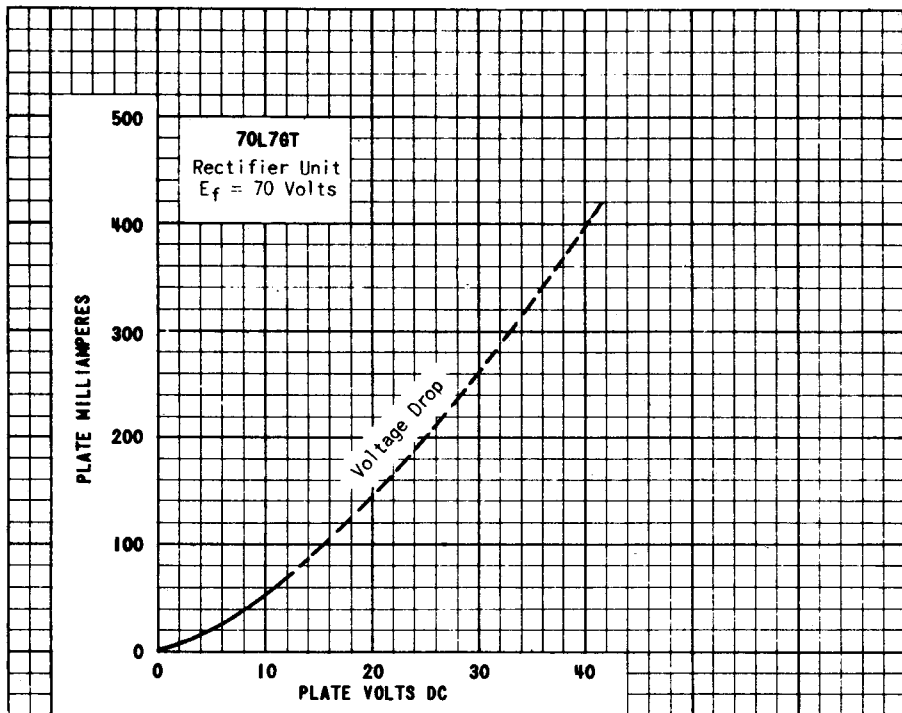


PLATE
1634
NOV. 30
1945



PRINTED IN U. S. A.

PLATE
1635
NOV. 30
1945

70L7GT

70L7GT
 Amplifier Unit
 $E_f = 70$ Volts Plate Volts = 110
 Screen Volts = 110 Control Volts = -7.5
 Signal (RMS) = 5.3

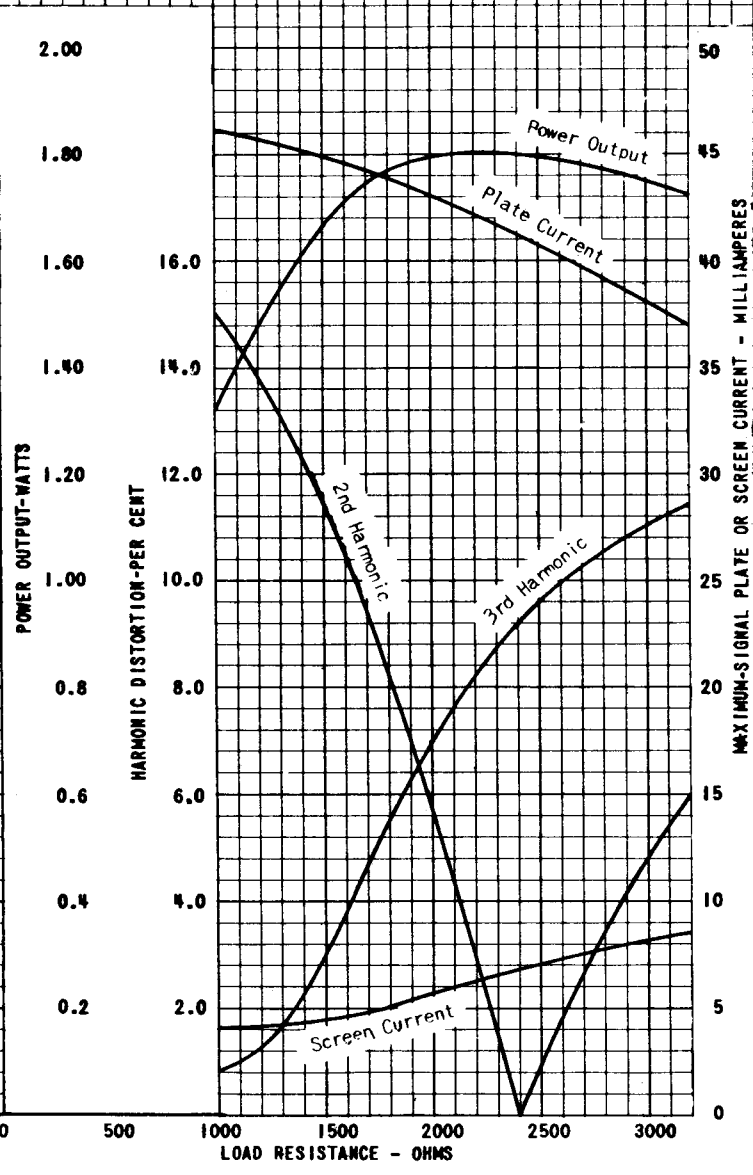


PLATE 1636
 NOV. 30 1945