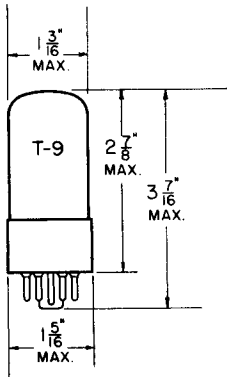


TUNG-SOL

**BEAM POWER AMPLIFIER
HALF WAVE RECTIFIER**



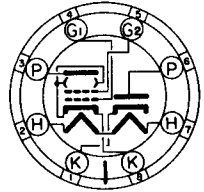
GLASS BULB

COATED UNIPOTENTIAL CATHODES

HEATERS

117 VOLTS 0.09 AMPERE
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL
8 PIN OCTAL BASE

THE 117L7/M7GT COMBINES A HALF-WAVE RECTIFIER AND A BEAM POWER AMPLIFIER IN THE SAME ENVELOPE. IT IS DESIGNED FOR AC-DC SERVICE FROM A 117 VOLT LINE IN THREE WAY PORTABLE RECEIVERS.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

AMPLIFIER UNIT

MAXIMUM HEATER VOLTAGE	117	VOLTS
MAXIMUM HEATER CURRENT	0.090	AMP.
MAXIMUM PLATE VOLTAGE	117	VOLTS
MAXIMUM SCREEN VOLTAGE	117	VOLTS
MAXIMUM PLATE DISSIPATION	6.0	WATTS
MAXIMUM SCREEN DISSIPATION	1.0	WATTS

RECTIFIER UNIT

MAXIMUM HEATER VOLTAGE	117	VOLTS
MAXIMUM HEATER CURRENT	0.090	AMP.
MAXIMUM AC PLATE VOLTAGE (RMS)	117	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	350	VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT	450	MA.
TUBE VOLTAGE DROP AT 150 MA. PLATE CURRENT	16	VOLTS
MAXIMUM DC HEATER-CATHODE VOLTAGE	175	VOLTS

CONTINUED ON FOLLOWING PAGE

→ INDICATES A CHANGE OR ADDITION.

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

AMPLIFIER UNIT

CLASS A₁ AMPLIFIER

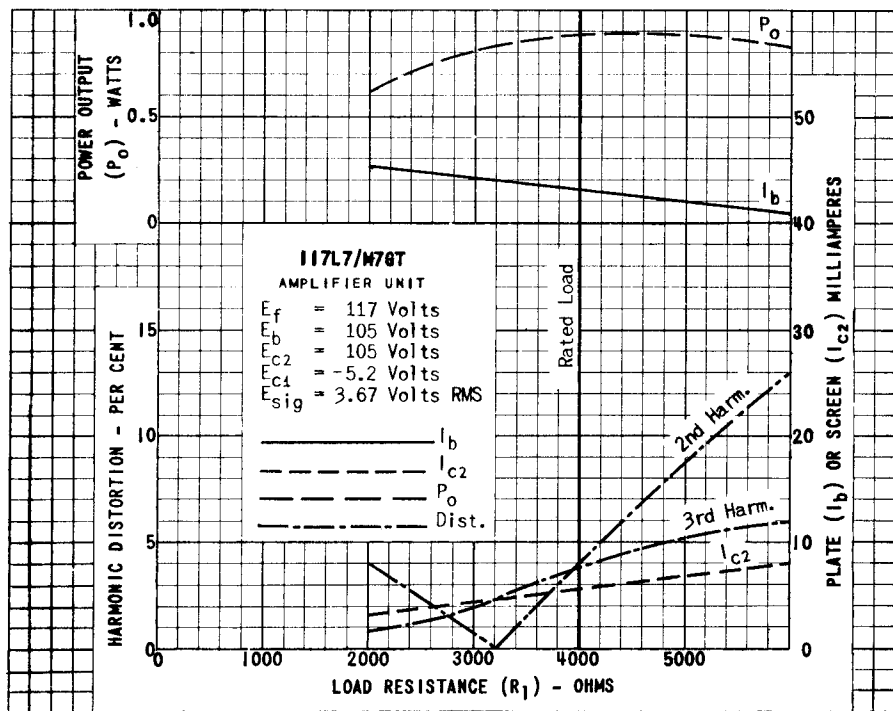
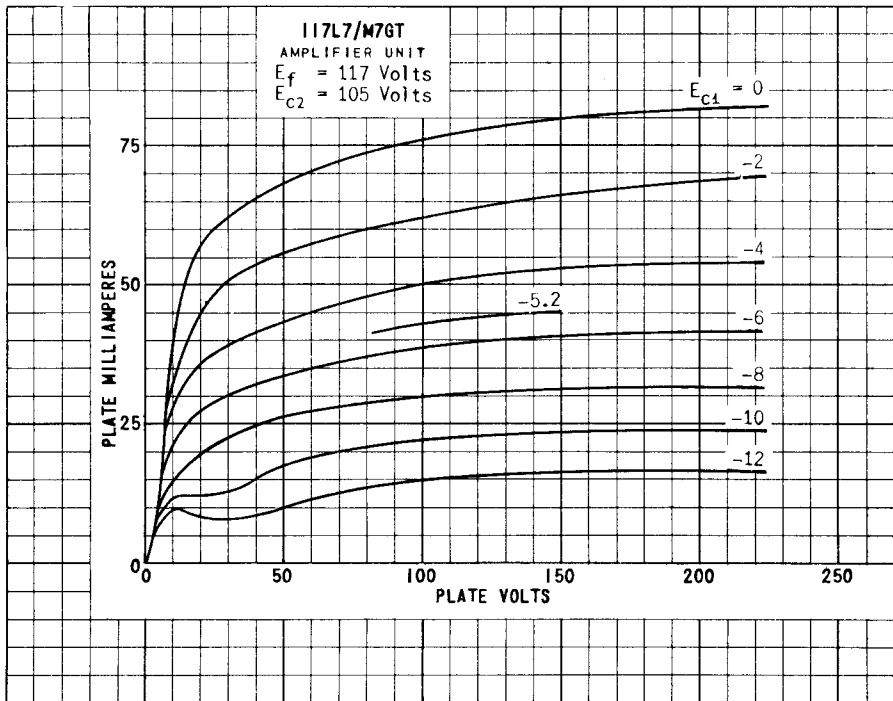
PLATE VOLTAGE	105	VOLTS
SCREEN VOLTAGE	105	VOLTS
GRID VOLTAGE	-5.2	VOLTS
PEAK AF GRID VOLTAGE	5.2	VOLTS
ZERO-SIGNAL PLATE CURRENT	43	MA.
ZERO-SIGNAL SCREEN CURRENT	4	MA.
MAXIMUM-SIGNAL PLATE CURRENT	43	MA.
MAXIMUM-SIGNAL SCREEN CURRENT	5.5	MA.
LOAD RESISTANCE	4 000	OHMS
PLATE RESISTANCE (APPROX.)	17 000	OHMS
TRANSCONDUCTANCE	5 300	μMHOS
MAXIMUM-SIGNAL POWER OUTPUT	0.85	WATT
TOTAL HARMONIC DISTORTION	5.0	PERCENT

HALF WAVE RECTIFIER
WITH CONDENSER-INPUT FILTER

AC PLATE VOLTAGE (RMS)	117	VOLTS
DC OUTPUT CURRENT	75	MA.
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE	15	OHMS

SIMILAR TYPE REFERENCE: Characteristics for the amplifier unit are identical to 117P7GT, somewhat similar to 117N7GT. Except for heater ratings somewhat similar to 70L7GT.

→ INDICATES A CHANGE OR ADDITION



117L7/M7GT

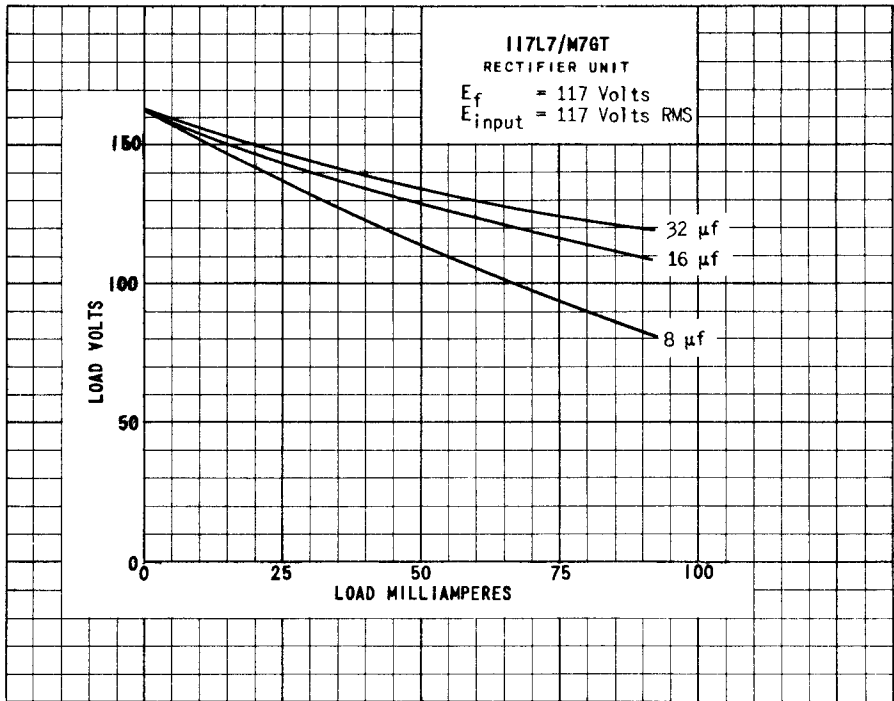
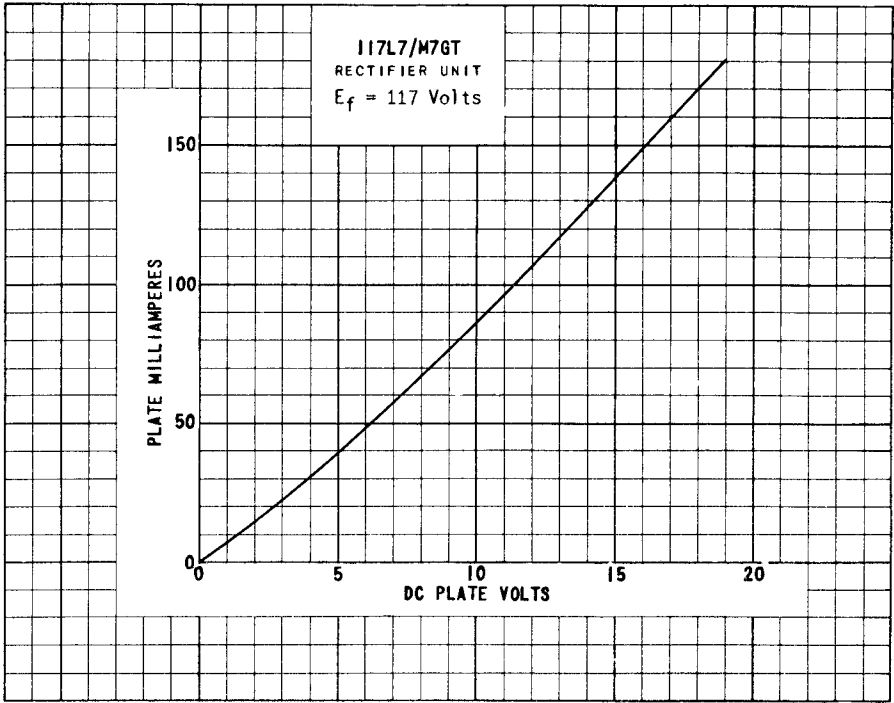


PLATE
1818
JUNE 2,
1947