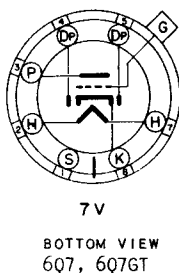
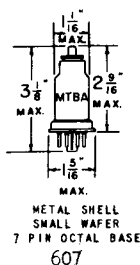


TUNG-SOL

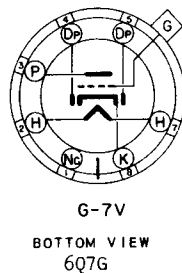
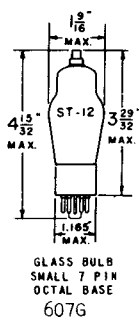
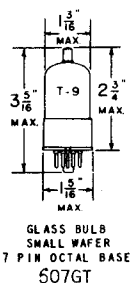

DUO-DIODE
HIGH-MU TRIODE AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.3 AMPERE

AC OR DC



THE TUNG-SOL 6Q7, 6Q7G AND 6Q7GT COMBINE TWO DIODES AND A HIGH-MU TRIODE IN A SINGLE ENVELOPE, USING A COMMON CATHODE. THEY ARE DESIGNED FOR SERVICE AS DIODE DETECTORS, AVC RECTIFIERS, AND AS HIGH GAIN RESISTANCE COUPLED AMPLIFIERS IN AC, STORAGE BATTERY, AND AC-DC OPERATED RECEIVERS.

RATINGS

MAXIMUM PLATE VOLTAGE	300	VOLTS
MINIMUM DIODE CURRENT WITH 10 VOLTS DC APPLIED PER PLATE	0.8	MA.

AVERAGE CHARACTERISTICS OF TRIODE UNIT

PLATE VOLTAGE	100	250	VOLTS
CONTROL GRID VOLTAGE	-1	-3	VOLTS
PLATE CURRENT	0.8	1.0	MA.
PLATE RESISTANCE	58 000	58 000	OHMS
TRANSCONDUCTANCE	1200	1200	μMHOS
AMPLIFICATION FACTOR	70	70	

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

CONTINUED NEXT PAGE

6Q7, 6Q7G, 6Q7GT

TUNG-SOL

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ZERO BIAS, RESISTANCE COUPLED, CLASS A₂ AMPLIFIER

PLATE SUPPLY VOLTAGE	100	300	VOLTS
PLATE LOAD RESISTOR	0.25	0.25	MEGOHM
GRID RESISTOR	10	10	MEGOHM
COUPLING CONDENSER	.01 TO .005	.01 TO .005	μf
GRID RESISTOR FOR FOLLOWING TUBE	.5 TO 1.0	.5 TO 1.0	MEGOHM
EXTERNAL GRID CIRCUIT IMPEDANCE	0	0	MEGOHM
VOLTAGE GAIN	40	50	56
VOLTAGE OUTPUT (RMS) ^A	11	51	58
	13	58	VOLTS

^A AT 5% TOTAL HARMONIC DISTORTION.

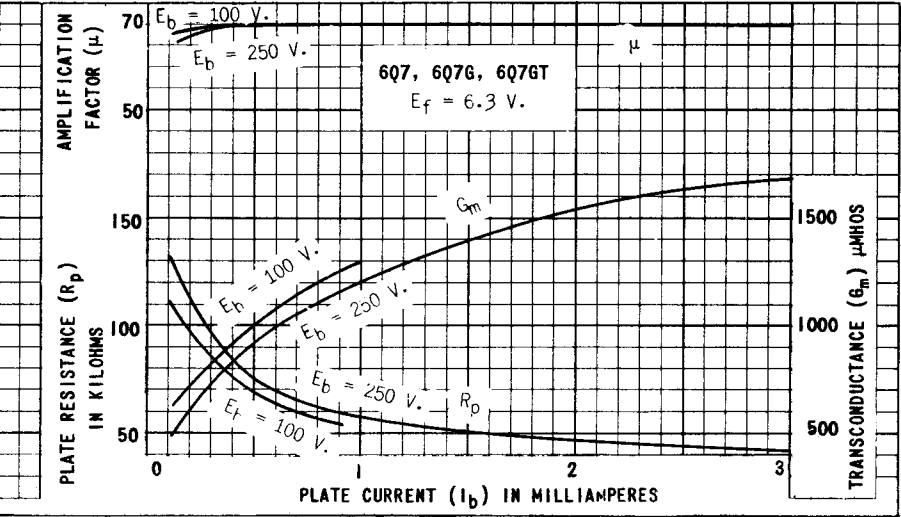
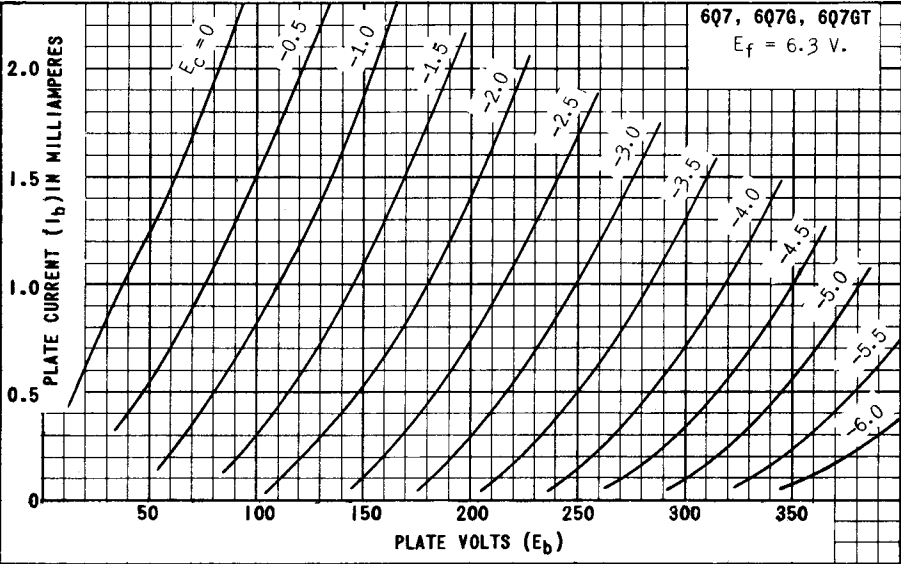


PLATE
1117-1