

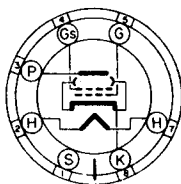
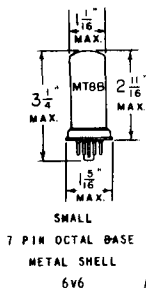
TUNG-SOL

BEAM POWER AMPLIFIER

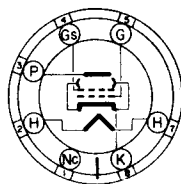
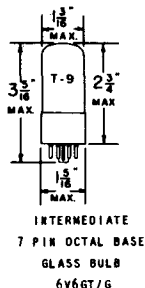
UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.45 AMPERE
AC OR DC



7AC



G-7AC

BOTTOM VIEWS

THE TUNG-SOL 6V6 AND 6V6GT/G ARE BEAM POWER AMPLIFIERS, DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF AC AND STORAGE BATTERY OPERATED RECEIVERS. THEY HAVE HIGH POWER SENSITIVITY AND HIGH POWER OUTPUT WITH COMPARATIVE-
LY LOW SUPPLY VOLTAGES.

RATINGS

MAXIMUM PLATE VOLTAGE	315	VOLTS
MAXIMUM SCREEN VOLTAGE	285	VOLTS
MAXIMUM PLATE DISSIPATION	12	WATTS
MAXIMUM SCREEN DISSIPATION	2	WATTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

SINGLE TUBE CLASS A₁ AMPLIFIER

PLATE VOLTAGE	180	250	315	VOLTS
SCREEN VOLTAGE	180	250	225	VOLTS
CONTROL GRID VOLTAGE ^A	-8.5	-12.5	-13	VOLTS
PEAK AF SIGNAL VOLTAGE	8.5	12.5	13	VOLTS
ZERO-SIGNAL PLATE CURRENT	29	45	34	MA.
ZERO-SIGNAL SCREEN CURRENT (NOMINAL)	3	4.5	2.2	MA.
MAXIMUM-SIGNAL PLATE CURRENT	30	47	35	MA.
MAXIMUM-SIGNAL SCREEN CURRENT (NOMINAL)	4	7	6	MA.
PLATE RESISTANCE APPROX.	58000	52000	77000	OHMS
TRANSCONDUCTANCE	3700	4100	3750	μMHOS
LOAD RESISTANCE	5500	5000	8500	OHMS
TOTAL HARMONIC DISTORTION	8	8	12	PER CENT
POWER OUTPUT	2.0	4.5	5.5	WATTS

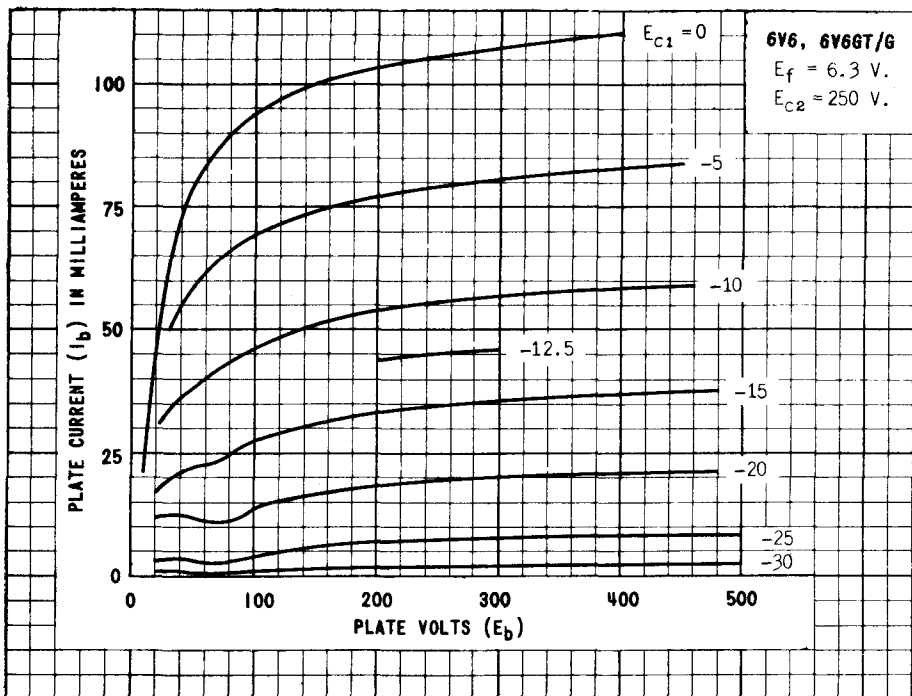
^A THE DC RESISTANCE IN THE GRID CIRCUIT, UNDER MAXIMUM RATED CONDITIONS, SHOULD NOT EXCEED 0.5 MEGOHM FOR SELF-BIAS OPERATION AND 0.1 MEGOHM FOR FIXED BIAS OPERATION.

CONTINUED NEXT PAGE

PUSH-PULL CLASS AB₁ AMPLIFIER

VALUES FOR 2 TUBES UNLESS OTHERWISE SPECIFIED

PLATE VOLTAGE	250	285	VOLTS
SCREEN VOLTAGE	250	285	VOLTS
CONTROL GRID VOLTAGE ^A	-15	-19	VOLTS
PEAK AF SIGNAL VOLTAGE GRID TO GRID	30	38	VOLTS
ZERO-SIGNAL PLATE CURRENT	70	70	MA.
ZERO-SIGNAL SCREEN CURRENT (NOMINAL)	5.0	4.0	MA.
MAXIMUM-SIGNAL PLATE CURRENT	79	92	MA.
MAXIMUM-SIGNAL SCREEN CURRENT (NOMINAL)	13	13.5	MA.
PLATE RESISTANCE APPROX.	66000	65000	OHMS
TRANSCONDUCTANCE	3750	3600	μMHOS
EFFECTIVE LOAD RESISTANCE PLATE TO PLATE	10000	8000	OHMS
TOTAL HARMONIC DISTORTION	5	3.5	PER CENT
POWER OUTPUT	10	14	WATTS



6V6, 6V6GT/G

