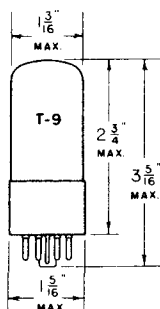


TUNG-SOL

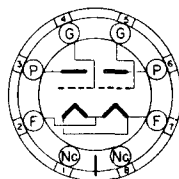


CLASS B TWIN TRIODE AMPLIFIER

COATED FILAMENT

1.4 VOLTS 0.10 AMPERE
DC

GLASS BULB



7AB-0-0

INTERMEDIATE 8 PIN OCTAL BASE

THE TUNG-SOL 1G6GT/G IS A LOW VOLTAGE, LOW CURRENT DRAIN, TWIN TRIODE AMPLIFIER. IT IS DESIGNED FOR SERVICE AS A ZERO BIAS CLASS "B" POWER AMPLIFIER.

RATINGS

MAXIMUM FILAMENT VOLTAGE

DRY BATTERY OPERATION — VOLTAGE MUST NEVER EXCEED	1.6	VOLTS
---	-----	-------

AC — DC POWER LINE OPERATION — DESIGN CENTER	1.3	VOLTS
--	-----	-------

MAXIMUM PLATE VOLTAGE PER PLATE	110	VOLTS
---------------------------------	-----	-------

MAXIMUM PEAK PLATE CURRENT PER PLATE	20	MA.
--------------------------------------	----	-----

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS B POWER AMPLIFIER

VALUES ARE FOR 2 UNITS UNLESS OTHERWISE SPECIFIED

PLATE VOLTAGE	90	90	VOLTS
DC GRID VOLTAGE ^A	0	0	VOLTS
PEAK AF SIGNAL VOLTAGE GRID TO GRID ^B	42	48	VOLTS
ZERO SIGNAL DC PLATE CURRENT	2	2	MA.
MAXIMUM SIGNAL DC PLATE CURRENT	14	11	MA.
PEAK GRID CURRENT PER UNIT	5	6	MA.
PLATE SUPPLY IMPEDANCE	0	0 ^C	OHMS
EFFECTIVE GRID CIRCUIT IMPEDANCE PER UNIT	0	2530 ^D	OHMS
EFFECTIVE LOAD RESISTANCE PLATE TO PLATE	12 000	12 000	OHMS
TOTAL HARMONIC DISTORTION	3	4	PER CENT
POWER OUTPUT APPROX.	0.675	0.350	WATT

^A RETURN TO NEGATIVE FILAMENT TERMINAL (PIN #7).^B INCLUDES PEAK GRID IMPEDANCE VOLTAGE DROP.^C BATTERY SUPPLY.^D AT 400 CYCLES THE EFFECTIVE RESISTANCE PER GRID CIRCUIT IS 2500 OHMS, AND THE LEAKAGE REACTANCE OF THE COUPLING TRANSFORMER IS 155 MILLIHENRYS.

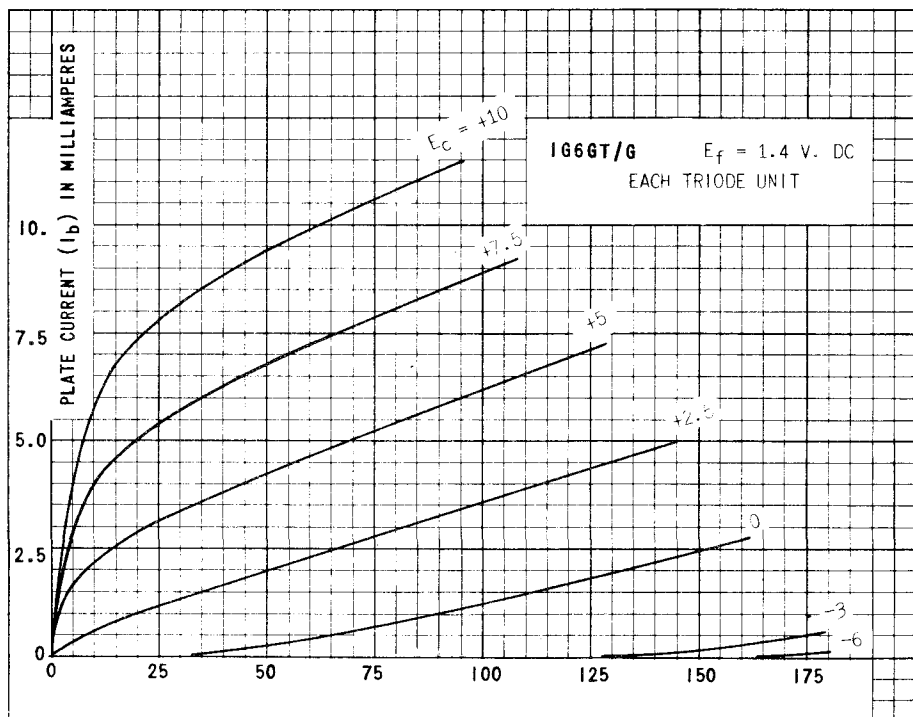
CONTINUED NEXT PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

EACH TRIODE UNIT

FILAMENT VOLTAGE	1.4 DC	VOLTS
FILAMENT CURRENT	0.1	AMPERE
PLATE VOLTAGE	90	VOLTS
CONTROL GRID VOLTAGE ^A	0	VOLTS
PLATE CURRENT	1.0	MA.
PLATE RESISTANCE APPROX.	45 000	OHMS
TRANSCONDUCTANCE	675	μMHOS
AMPLIFICATION FACTOR	30	

^A REFERRED TO NEGATIVE FILAMENT TERMINAL.

PLATE
1191-1