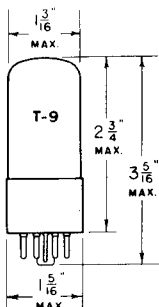


TUNG-SOL



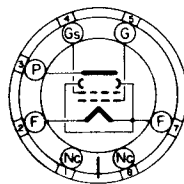
BEAM POWER AMPLIFIER

COATED FILAMENT

1.4 VOLTS 0.10 AMPERE
DC

GLASS BULB

INTERMEDIATE 7 PIN OCTAL BASE



6AF

BOTTOM VIEW

THE TUNG-SOL 1Q5GT/G IS A LOW VOLTAGE, LOW CURRENT DRAIN BATTERY TYPE BEAM POWER OUTPUT TUBE. IT IS DESIGNED FOR SERVICE WITH 90 VOLTS OF "B" BATTERY AND A SINGLE DRY CELL "A" BATTERY.

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	110	VOLTS
MAXIMUM SCREEN VOLTAGE	110	VOLTS
MAXIMUM CATHODE CURRENT (ZERO—SIGNAL)	12	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

FILAMENT VOLTAGE	1.4 DC	1.4 DC	VOLTS
FILAMENT CURRENT	0.10	0.10	AMPERE
PLATE VOLTAGE	85	90	VOLTS
SCREEN VOLTAGE	85	90	VOLTS
CONTROL GRID VOLTAGE ^A	-5	-4.5	VOLTS
PEAK AF SIGNAL VOLTAGE	5	4.5	VOLTS
ZERO—SIGNAL PLATE CURRENT	7	9.5	MA.
ZERO—SIGNAL SCREEN CURRENT (NOMINAL)	0.8	1.3	MA.
TRANSCONDUCTANCE	1950	2200	μMHOS
LOAD RESISTANCE	9000	8000	OHMS
TOTAL HARMONIC DISTORTION	5.5	6.0	PER CENT
POWER OUTPUT	250	270	MILLIWATTS

^A GRID RETURN SHOULD BE MADE TO NEGATIVE SIDE OF FILAMENT, PIN #7.

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

CONTINUED NEXT PAGE

PRINTED IN U. S. A.

PLATE
1075-3
JULY 28
1941

1Q5GT/G

