TUNG-SOL

BEAM POWER AMPLIFIER

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE	PIN CONNECTIONS	
BASE INTER. SHELL OCTAL 7-PIN	PIN 1 NO CONN.	PIN 7 HEATER
CAP NONE	PIN 2 HEATER	PIN 8 CATH. & DEFL.
BULB T-9	PIN 3 PLATE	
MAXIMUM DIAMETER 1 5/16"	PIN 4 GRID 2	
MAXIMUM OVERALL LENGTH 3 1/4"	PIN 5 GRID 1	TOP CAP NONE
MAXIMUM SEATED HEIGHT 2 11/16"	PIN 6 NONE	

RATINGS

HEATER OR FILAMENT VOLTAGE	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMPS.
MAXIMUM PLATE VOLTAGE	250	VOLTS
MAXIMUM SCREEN VOLTAGE	250	VOLTS
MAXIMUM PLATE DISSIPATION	7.5	WATTS
MAXIMUM SCREEN DISSIPATION	1.5	WATTS

RATINGS ARE TO BE INTERPRETED ACCORDING TO RMA STANDARD M8-210

CAPACITANCES

CONTROL GRID TO CATHODE	9.0	μμf
PLATE TO CATHODE	9.0	μμf
GRID TO PLATE	0.6 MAX.	μμf

WITH STANDARD RMA SHIELD M8-308

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER OR FILAMENT VOLTAGE	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMPS.
PLATE VOLTAGE	250	VOLTS
SCREEN VOLTAGE	250	VOLTS
CONTROL GRID VOLTAGE	-12.5	VOLTS
PEAK AF SIGNAL VOLTAGE	12.5	VOLTS
ZERO-SIGNAL PLATE CURRENT	30	MA.
ZERO-SIGNAL SCREEN CURRENT	3.5	MA.
MAXIMUM-SIGNAL PLATE CURRENT	32	MA.
MAXIMUM-SIGNAL SCREEN CURRENT	5.5	MA.
PLATE RESISTANCE		MEGOHMS
TRANSCONDUCTANCE	3000	μMHOS
AMPLIFICATION FACTOR		
LOAD RESISTANCE	7500	OHMS
TOTAL HARMONIC DISTORTION	7	PER CENT
POWER OUTPUT	3.0	WATTS

THE DC RESISTANCE IN THE GRID CIRCUIT, UNDER RATED MAXIMUM CONDITIONS FOR THE TYPE 12A6GT SHOULD NOT EXCEED 0.5 MEGOHM FOR SELF-BIAS OPERATION AND 0.1 MEGOHM FOR FIXED BIAS OPERATION.

PLATE 1303-1
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