

TUNG-SOL

SHARP CUT-OFF PENTODE AMPLIFIER

PHYSICAL SPECIFICATIONS

EMITTER COATED UNIPOT. CATHODE		PIN CONNECTIONS	
BASE	LOCK-IN 8 PIN	PIN 1 HEATER	PIN 7 CATHODE
CAP	---	PIN 2 PLATE	PIN 8 HEATER
BULB	T-9	PIN 3 GRID 2	
MAXIMUM DIAMETER	1 3/16"	PIN 4 GRID 3	MOUNTING POS. ANY
MAXIMUM OVERALL LENGTH	2 25/32"	PIN 5 S ₁	
MAXIMUM SEATED HEIGHT	2 1/4"	PIN 6 GRID 1	

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER OR FILAMENT VOLTAGE (NOMINAL)	7.0	VOLTS
HEATER OR FILAMENT CURRENT (NOMINAL)	0.160	AMP.
MAXIMUM PLATE VOLTAGE (DC)	300	VOLTS
MAXIMUM SCREEN VOLTAGE (DC)	300	VOLTS
MAXIMUM PLATE DISSIPATION	2.0	WATTS
MAXIMUM SCREEN DISSIPATION	0.75	WATT
MINIMUM EXTERNAL CONTROL GRID VOLTAGE (DC)	-1.0	VOLTS

CAPACITANCES

RMA SHIELD MB-308 CONNECTED TO CATHODE

CONTROL GRID TO CATHODE	7.0	μf
PLATE TO CATHODE	6.0	μf
CONTROL GRID TO PLATE (MAX.)	0.005	μf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A₁ AMPLIFIER

HEATER OR FILAMENT VOLTAGE	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.150	AMP.
PLATE VOLTAGE (DC)	250	VOLTS
SCREEN VOLTAGE (DC)	250	VOLTS
CONTROL GRID VOLTAGE		VOLTS
SUPPRESSOR VOLTAGE	CONNECTED TO CATHODE AT SOCKET	
CATHODE BIAS RESISTOR	250	OHMS
PLATE CURRENT (DC)	6.0	MA.
SCREEN CURRENT (DC)	2.0	MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE	0.75	MEGOHM
TRANSCONDUCTANCE	4200	μMHOS
AMPLIFICATION FACTOR		
LOAD RESISTANCE		OHMS
TOTAL HARMONIC DISTORTION		PER CENT
POWER OUTPUT		WATTS
CONTROL GRID VOLTAGE (DC)		
FOR $I_b = 10 \mu\text{A}$ (DC)	-10	VOLTS