

TUNG-SOL

SHARP CUT-OFF HIGH FREQUENCY RF PENTODE

PHYSICAL SPECIFICATIONS

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

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER OR FILAMENT VOLTAGE (NOMINAL)	7.0	VOLTS
HEATER OR FILAMENT CURRENT	0.160	AMP.
MAXIMUM PLATE VOLTAGE (DC)	300	VOLTS
MAXIMUM SCREEN VOLTAGE (DC)	100	VOLTS
MAXIMUM PLATE DISSIPATION	1.2	WATTS
MAXIMUM SCREEN DISSIPATION	0.15	WATT
MAXIMUM SCREEN SUPPLY VOLTAGE (DC)	100	VOLTS
MINIMUM EXTERNAL CONTROL GRID VOLTAGE (DC)	0	VOLTS

CAPACITANCES

WITH RMA SHIELD NO. MB-308 CONNECTED TO CATHODE

GRID NO. 1 - PLATE (MAX.)	0.06	μ f
INPUT	3.5	μ f
OUTPUT	4.0	μ f

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER OR FILAMENT VOLTAGE	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.150	AMP.
PLATE VOLTAGE (DC)	250	VOLTS
SCREEN VOLTAGE (DC)	100	VOLTS
CONTROL GRID VOLTAGE (DC)	-2.0	VOLTS
PEAK AF SIGNAL VOLTAGE		VOLTS
PLATE CURRENT (DC)	4.0	MA.
SCREEN GRID CURRENT (DC)	1.3	MA.
MAXIMUM-SIGNAL PLATE CURRENT		MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE	0.5	MEG OHM
TRANSCONDUCTANCE	1800	μ MHOS
AMPLIFICATION FACTOR		
LOAD RESISTANCE		OHMS
TOTAL HARMONIC DISTORTION		PER CENT
POWER OUTPUT		WATTS
CONTROL GRID VOLTAGE (DC) FOR $I_b = 10 \mu$ AMPS	-9.0	VOLTS