

TUNG-SOL

SHARP CUT-OFF DOUBLE TETRODE

PHYSICAL SPECIFICATIONS

EMITTER COATED UNIPOT. CATHODE	PIN CONNECTIONS	
	TETRODE NO.	TETRODE NO.
BASE LOCK-IN 8-PIN	PIN 1 HEATER	PIN 7 PLATE 1
CAP ---	PIN 2 PLATE 2	PIN 8 HEATER
BULB SHORT T-9	PIN 3 GRID 2 1&2	
MAXIMUM DIAMETER 1 3/16"	PIN 4 GRID 1 2	MOUNTING POS. ANY
MAXIMUM OVERALL LENGTH 2 1/32"	PIN 5 GRID 1 1	
MAXIMUM SEATED HEIGHT 1 1/2"	PIN 6 CATHODE 1&2	

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER OR FILAMENT VOLTAGE (NOMINAL) (AC OR DC)	7.0	VOLTS
HEATER OR FILAMENT CURRENT (NOMINAL)	0.320	AMP.
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	100	VOLTS
MAXIMUM PLATE DISSIPATION (PER UNIT)	1.5	WATTS
MAXIMUM SCREEN DISSIPATION (PER UNIT)	.1	WATT
MAXIMUM SCREEN SUPPLY VOLTAGE	300	VOLTS
MINIMUM EXTERNAL CONTROL GRID BIAS VOLTAGE	0	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS

CAPACITANCES

WITH 1 5/16" DIAMETER SHIELD CONNECTED TO CATHODE

CONTROL GRID TO CATHODE	3.40	$\mu\mu\text{f}$
PLATE TO CATHODE	2.60	$\mu\mu\text{f}$
GRID TO PLATE (MAX.)	0.15	$\mu\mu\text{f}$

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
PER UNIT

HEATER OR FILAMENT VOLTAGE	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.300	AMP.
PLATE VOLTAGE	250	VOLTS
SCREEN VOLTAGE	100	VOLTS
GRID VOLTAGE	-2.5	VOLTS
PLATE CURRENT	4.5	MA.
SCREEN CURRENT	0.8	MA.
ZERO-SIGNAL SCREEN CURRENT		MA.
MAXIMUM-SIGNAL PLATE CURRENT		MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE	225 000	OHMS
TRANSCONDUCTANCE	2 100	μMHOS
AMPLIFICATION FACTOR		
LOAD RESISTANCE		OHMS
TOTAL HARMONIC DISTORTION		PER CENT
POWER OUTPUT		WATTS
CONTROL GRID VOLTAGE		
FOR $I_b = 10 \mu\text{A}$	-10	VOLTS