

TUNG-SOL

DIODE TRIODE
REMOTE CUT-OFF PENTODE

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE	PIN CONNECTIONS	
BASE INTERMEDIATE-8 PIN OCTAL	PIN 1 CATHODES*	PIN 7 TRIODE HEATER
CAP SKIRTED MINIATURE-STYLE C	PIN 2 PENT.HEATER	PIN 8 DIODE PLATE
BULB T-9	PIN 3 PENT.PLATE	
MAXIMUM DIAMETER 1 5/16"	PIN 4 PENT.GRID #2	
MAXIMUM OVERALL LENGTH 3 9/16"	PIN 5 TRIODE GRID	TOP CAP PENT.GRID #1
MAXIMUM SEATED HEIGHT 3"	PIN 6 TRIODE PLATE	

* DIODE-TRIODE CATHODE TIED TO PENTODE CATHODE

RATINGS

HEATER OR FILAMENT VOLTAGE (AC OR DC)	25.0	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMP.
MAXIMUM PLATE VOLTAGE		VOLTS

DIRECT INTERELECTRODE CAPACITANCES

	PENTODE	TRIODE	
CONTROL GRID TO CATHODE	5.2	3.7	$\mu\mu\text{f}$
PLATE TO CATHODE	10.0	4.5	$\mu\mu\text{f}$
CONTROL GRID TO PLATE	0.015 MAX.	2.5	$\mu\mu\text{f}$
PENTODE CONTROL GRID TO TRIODE GRID	0.01 MAX.		$\mu\mu\text{f}$
PENTODE CONTROL GRID TO TRIODE PLATE	0.02 MAX.		$\mu\mu\text{f}$
PENTODE PLATE TO TRIODE GRID	0.10 MAX.		$\mu\mu\text{f}$

OPERATING CONDITIONS AND CHARACTERISTICS

TRIODE SECTION - CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	VOLTS
GRID VOLTAGE	-1	VOLT
PLATE CURRENT	0.5	MA.
PLATE RESISTANCE	91000	OHMS
TRANSCONDUCTANCE	1100	μMHOS
AMPLIFICATION FACTOR	100	

PENTODE SECTION - CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	VOLTS
SCREEN VOLTAGE (GRID #2)	100	VOLTS
CONTROL GRID VOLTAGE (GRID #1)	-3	VOLTS
PLATE CURRENT	8.5	MA.
SCREEN CURRENT	2.7	MA.
PLATE RESISTANCE APPROX.	200 000	OHMS
TRANSCONDUCTANCE	1900	μMHOS
CONTROL GRID VOLTAGE	-35	VOLTS

FOR TRANSCONDUCTANCE = 2 μMHOS APPROX.PLATE
T842-1SEPT. 9
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