

**TUNG-SOL**

**TWIN TRIODE AMPLIFIER**

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE		PIN CONNECTIONS		
BASE	LOCKING-IN 8 PIN	PIN 1	HEATER	PIN 7 CATHODE #1
CAP	NONE	PIN 2	CATHODE #2	PIN 8 HEATER
BULB	T-9	PIN 3	PLATE #2	
MAXIMUM DIAMETER 1 3/16"		PIN 4	GRID #2	
MAXIMUM OVERALL LENGTH 2 25/32"		PIN 5	GRID #1	TOP CAP NONE
MAXIMUM SEATED HEIGHT 2 1/4"		PIN 6	PLATE #1	

RATINGS

HEATER OR FILAMENT VOLTAGE (NOMINAL)	14.0	VOLTS
HEATER OR FILAMENT CURRENT (NOMINAL)	0.160	AMP.
MAXIMUM PLATE VOLTAGE		VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

HEATER VOLTAGE	12.6	VOLTS
HEATER CURRENT	0.15	AMPERE
PLATE VOLTAGE	250	VOLTS
CONTROL GRID VOLTAGE	-10	VOLTS
PLATE CURRENT	9.0	MA.
PLATE RESISTANCE	7600	OHMS
TRANSCONDUCTANCE	2100	μMHOS
AMPLIFICATION FACTOR	16	

DIRECT INTERELECTRODE CAPACITANCES<sup>S</sup>

	TRIODE UNIT 1	TRIODE UNIT 2	
GRID TO CATHODE	2.2	2.2	μμf
PLATE TO CATHODE	1.6	1.6	μμf
GRID TO PLATE	2.3	2.3	μμf
GRID #1 TO GRID #2	0.20		μμf
PLATE #1 TO PLATE #2	0.60		μμf
GRID #1 TO PLATE #2	0.06		μμf
GRID #2 TO PLATE #1	0.10		μμf

<sup>S</sup> WITH BASE SHELL GROUNDED.