

TUNG-SOL

TRIODE-PENTODE AMPLIFIER

PHYSICAL SPECIFICATIONS

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

*AND GRID #3

RATINGS

HEATER OR FILAMENT VOLTAGE (AC OR DC)	25	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMP.

DIRECT INTERELECTRODE CAPACITANCES

	PENTODE	TRIODE	
CONTROL GRID TO CATHODE	5.5	5.0	$\mu\mu f$
PLATE TO CATHODE	10.0	4.6	$\mu\mu f$
CONTROL GRID TO PLATE	0.02	2.2	$\mu\mu f$
PENTODE CONTROL GRID TO TRIODE GRID		0.02	$\mu\mu f$
PENTODE CONTROL GRID TO TRIODE PLATE		0.009	$\mu\mu f$
PENTODE PLATE TO TRIODE GRID		0.075	$\mu\mu f$

OPERATING CONDITIONS AND CHARACTERISTICS

PENTODE SECTION-CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	VOLTS
SCREEN VOLTAGE (GRID #2)	100	VOLTS
CONTROL GRID VOLTAGE (GRID #1)	-3	VOLTS
PLATE CURRENT	7.6	MA.
SCREEN CURRENT	2.0	MA.
PLATE RESISTANCE	0.185	MEGOHM
TRANSCONDUCTANCE	2000	μMHOS
AMPLIFICATION FACTOR	370	
CONTROL GRID VOLTAGE	-41	VOLTS
FOR TRANSCONDUCTANCE = 2 μMHOS		

TRIODE SECTION-CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	VOLTS
GRID VOLTAGE	-1	VOLT
PLATE CURRENT	0.6	MA.
PLATE RESISTANCE	0.075	MEGOHM
TRANSCONDUCTANCE	1500	μMHOS
AMPLIFICATION FACTOR	112.5	
GRID VOLTAGE (APPROX.)	-2.5	VOLTS
FOR PLATE CURRENT CUT-OFF		