

TUNG-SOL

TWIN-TRIODE AMPLIFIER

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE	PIN CONNECTIONS	
BASE INTERMEDIATE SHELL OCTAL 8-PIN	PIN 1 GRID (T2)	PIN 7 HEATER
CAP NONE	PIN 2 PLATE (T2)	PIN 8 HEATER
BULB T-9	PIN 3 CATHODE (T2)	
MAXIMUM DIAMETER 1 5/16"	PIN 4 GRID (T1)	
MAXIMUM OVERALL LENGTH 3 5/16"	PIN 5 PLATE (T1)	TOP CAP NONE
MAXIMUM SEATED HEIGHT 2 3/4"	PIN 6 CATHODE (T1)	

 RATINGS
 AMPLIFIER - EACH UNIT

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMPS.
MAXIMUM PLATE VOLTAGE	250	VOLTS
MAXIMUM GRID VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	.1	WATTS
MAXIMUM SCREEN DISSIPATION		WATTS

RATINGS ARE TO BE INTERPRETED ACCORDING TO RMA STANDARD m8-210

 CAPACITANCES
 TRIODE UNIT T1 TRIODE UNIT T2

GRID TO CATHODE	3.0	3.4	μuf
PLATE TO CATHODE	3.8	3.2	μuf
GRID TO PLATE	2.8	2.8	μuf
PLATE TO PLATE	0.4		μuf
GRID TO GRID	0.65		μuf
GRID T2 TO PLATE T1	0.13		μuf

 TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
 CLASS A₁ AMPLIFIER

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMPS.
PLATE VOLTAGE	250	VOLTS
GRID VOLTAGE	-2	VOLTS
CONTROL GRID VOLTAGE		VOLTS
PEAK AF SIGNAL VOLTAGE		VOLTS
ZERO-SIGNAL PLATE CURRENT	2.3	MA.
ZERO-SIGNAL SCREEN CURRENT		MA.
MAXIMUM-SIGNAL PLATE CURRENT		MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE (APPROX.)	44000	OHMS
TRANSCONDUCTANCE	1600	μMHOS
AMPLIFICATION FACTOR	70	
LOAD RESISTANCE		OHMS
TOTAL HARMONIC DISTORTION		PER CENT
POWER OUTPUT		WATTS
CONTROL GRID VOLTAGE		
FOR TRANSCONDUCTANCE	μMHOS	VOLTS