TUNG-SOL

RF PENTODE AMPLIFIER

PHYSICAL SPECIFICATIONS

EMITTER COATED UNIPOT. CATHODE	PIN CONNECTIONS	
BASE SMALL WAFER OCTAL 8-PIN	PIN 1 BASE SHELL, INTERNAL SHIELD	
METAL SHELL	PIN 2 HEATER	PIN 7 HEATER
BULB T-9	PIN 3 CATHODE, G3	PIN 8 PLATE
MAXIMUM DIAMETER 1 5/16"	PIN 4 GRID 1	
MAXIMUM OVERALL LENGTH 3"	PIN 5 CATHODE, G3	
MAXIMUM SEATED HEIGHT 2 15/32"	PIN 6 GRID 2	MOUNTING POS. ANY

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER OR FILAMENT VOLTAGE (AC OR DC)	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.300	AMP.
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	150	VOLTS
MAXIMUM PLATE DISSIPATION	3.0	WATTS
MAXIMUM SCREEN DISSIPATION	0.7	WATT
MAXIMUM SCREEN SUPPLY VOLTAGE	300	VOLTS
MINIMUM EXTERNAL CONTROL GRID VOLTAGE	0	VOLTS

CAPACITANCES

CONTROL GRID TO CATHODE	8.5	μμf
PLATE TO CATHODE	7.0	μμf
CONTROL GRID TO PLATE (MAX.)	0.0035	μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER OR FILAMENT VOLTAGE	6.3	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.300	0.300	AMP.
PLATE VOLTAGE (DC)	100	250	VOLTS
SCREEN VOLTAGE (DC)	100	150	VOLTS
CONTROL GRID VOLTAGE (DC)	-1	-1	VOLT
SUPPRESSOR VOLTAGE (DC)	0	0	VOLTS
PLATE CURRENT (DC)	5.3	10.8	MA.
SCREEN CURRENT (DC)	2.1	4.1	MA.
MAXIMUM-SIGNAL PLATE CURRENT			MA.
MAXIMUM-SIGNAL SCREEN CURRENT			MA.
PLATE RESISTANCE (APPROX.)	0.35	0.90	MEGOHM
TRANSCONDUCTANCE	4000	4900	μMHOS
AMPLIFICATION FACTOR			
LOAD RESISTANCE			OHMS
TOTAL HARMONIC DISTORTION			PER CENT
POWER OUTPUT			WATTS
CONTROL GRID VOLTAGE (DC) FOR I_b = 10 μA (DC)	-4	-5.5	VOLTS

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PLATE 1706

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