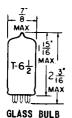
TUNG-SOL -

TRIODE-PENTODE

MINIATURE TYPE



COATED UNIPOTENTIAL CATHODE

HEATER
4.7 VOLTS 0.6 AMP.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
MINIATURE BUTTON
9 PIN BASE

THE 5ANS IS A GENERAL PURPOSE, MULTI-UNIT TUBE USING THE 9 PIN MINIATURE CONSTRUCTION. CONTAINING A MEDIUM—MU TRIODE AND A SHARP-CUTOFF PENTODE IN ONE ENVELOPE, IT IS DESIGNED FOR USE IN 600 MA. SERIES HEATER OPERATED RECEIVERS. IT IS INTENDED FOR A WIDE VARIETY OF APPLICATIONS IN COLOR TELEVISION RECEIVERS. THERMAL CHARACTERISTICS OF THE HEATER ARE CONTROLLED SUCH THAT HEATER VOLTAGE SURGES DURING THE WARM-UP CYCLE ARE MINIMIZED PROVIDED IT IS USED WITH OTHER TYPES WHICH ARE SIMILARLY CONTROLLED. WITH THE EXCEPTION OF HEATER RATINGS, ITS CHARACTERISTICS ARE IDENTICAL TO THE 6ANS.

DIRECT INTERELECTRODE CAPACITANCES WITH NO EXTERNAL SHIELD

TRIODE UNIT GRID TO PLATE INPUT OUTPUT	1.5 2.0 0.27	րր f հրե f հրե f
PENTODE UNIT PENTODE UNIT INPUT OUTPUT	0.04 7.0 2.3	րր ք Ար ք Ար ք
TRIODE GRID TO PENTODE PLATE PENTODE GRID #4 TO TRIODE PLATE PENTODE PLATE TO TRIODE PLATE	0.005 0.006 0.045	րր f pp f

RATINGS INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

CLASS A1 AMPLIFIER - DESIGN CENTER VALUES

		VOLTS
200	200	VOLTS
100	100	VOLTS
200A	200 ^	VOLTS
300	300	VOLTS
	300	VOLTS
	SEE CURVE	#1
0	0	VOL TS
2.6 	2.0	WATTS
	0.5	WATT
1.0	1.0	ME GOHM
0.5	0.25	MEGOHM
11	.0	SEC.
	200 100 200A 300 0 2.6 1.0 0.5	200 200 100 100 200A 200A 300 300 300 SEE CURVE : 0 0 2.6 ← 2.0 0.5 1.0 1.0

ATHE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

CONTINUED ON FOLLOWING PAGE

B IF EITHER UNIT IS OPERATING AT MAXIMUM RATED COMDITIONS, GRID \$1 CIRCUIT RESISTANCES FOR BOTH UNITS SHOULD NOT EXCEED THE STATED VALUES.

^{*}HEATER WARM-UP TIME IS DEFINED AS THE TIME REQUIRED FOR THE VOLTAGE ACROSS THE HEATER TO REACH BOS OF ITS RATED VOLTAGE AFTER APPLYING 4 TIMES RATED HEATER VOLTAGE TO A CIRCUIT CONSISTING OF THE TUBE HEATER IN SERIES WITH A RESISTANCE OF VALUE 3 TIMES THE NOMINAL HEATER OPERATING RESISTANCE.

⁻ INDICATES A CHANGE.

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

	TRIODE Unit	PENTODE Unit	
HEATER VOLTAGE		4.7 0.6	VOLTS
HEATER CURRENT			AMP.
PLATE SUPPLY VOLTAGE	200	200	VOL TS
GRID #2 SUPPLY VOLTAGE		150	VOL TS
GRID #1 VOLTAGE	- 6		VOLTS
CATHODE BIAS RESISTOR		180	OHMS
AMPLIFICATION FACTOR	19		
PLATE RESISTANCE (APPROX.)	5 750	300 000	OHMS
TRANSCONDUCTANCE	3 300	6 200	имноѕ
GRID #1 BIAS (APPROX.) FOR ID = 10 HA.	-19	- 8	VOLTS
PLATE CURRENT	13	9.5	MA -
GRID #2 CURRENT		2.8	MA.

