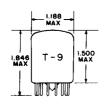
TUNG-SOL -

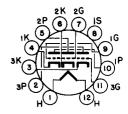
THREE TRIODES

COATED UNIPOTENTIAL CATHODE



FOR SYNC CLIPPER AND GATED AGC AMPLIFIER SERVICE IN TV RECEIVERS

ANY MOUNTING POSITION



BASING DIAGRAM JEDEC 12BY

BOTTOM VIEW

BUTTON
12 PIN BASE E12-70
OUTLINE DRAWING
JEDEC 9-56
GLASS BULB

THE 6011 CONSISTS OF THREE TRIODES IN A 12 PIN COMPACT CONSTRUCTION. TWO OF THE TRIODES HAVE A HIGH MU, THE OTHER HAS A MEDIUM MU. ONE OF THE HIGH MU SECTIONS IS ESPECIALLY SHIELDED FROM THE OTHER SECTIONS. EACH ELEMENT IS BROUGHT OUT TO A SEPARATE BASE PIN. THE 6011 IS DESIGNED FOR SYNC CLIPPER AND GATED AGC AMPLIFIER SERVICE IN TV RECEIVERS. THE HEATER MAY BE OPERATED FROM A TRANSFORMER OR IN A SERIES STRING.

DIRECT INTERELECTRODE CAPACITANCES WITHOUT EXTERNAL SHIELD

	TRIODE 1	TRIODE 2	TRIODE 3	
GRID TO PLATE	1.8	2.0	2.0	рf
INPUT: G TO (H+K+1.S.)	1.9	1.8	1.8	рf
OUTPUT: P TO (H+K+1.S.)	1.7	0.6	1.7	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM SYSTEM - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	0.60	AMPS
HÉATER WARM-UP TIME ^A		11	SECONDS
HEATER SUPPLY LIMITS:			
VOLTAGE OPERATION (AC OR DC)		6.3±0.6	VOLTS
CURRENT OPERATION (AC OR DC)		0.60±.04	AMPS
MAXIMUM HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHO	DE		
TOTAL DC AND PEAK		200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHO	DE		
DC		100	VOLTS
TOTAL DC AND PEAK		200	VOLTS

CONTINUED ON FOLLOWING PAGE

--- TUNB-80L ---

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM SYSTEM - SEE ELA STANDARD RS-239

	TRIODE 1	TRIODE 2 & 3	
PLATE VOLTAGE	330	330	VOLTS
NEGATIVE DC GRID VOLTAGE	100	100	VOLTS
POSITIVE DC GRID VOLTAGE	0	0	VOLTS
POSITIVE TRANSIENT GRID VOLTAGE	60		VOLTS
POSITIVE STEADY STATE PULSE VOLTAGE ^B	5		VOLTS
PLATE DISSIPATION, EACH	3	1.2	WATTS
GRID RESISTANCE	5.0	5.0	MEGOHM

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

		`		
	TRIODE 1	TRIODE	2 & 3 EACH	
PLATE VOLTAGE	150	100	250	VÓLTS
GRID VOLTAGE	0	-1	-2	VOLTS
PLATE CURRENT	22	.5	1.2	MA.
TRANSCONDUCTANCE	2500	1250	1600	μ м нοs
AMPLIFICATION FACTOR	18	100	100	
PLATE RESISTANCE	7000	80000	62500	OHMS
GRID VOLTAGE FOR				
Ib = 10 μ A (APPROX.)	-13		-4.5	VOL TS
	PULSE AMPLIETER ^B			
	1 0202 / 1111 2 11 7 2 11			
PLATE VOLTAGE	30			VOLTS
GRID VOLTAGE	30			VOLTS
PEAK CATHODE CURRENT	200	_		MA.
RATIO PLATE CURRENT TO GRIE	CURRENT 1.0			

PHEATER WARM-UP TIME IS DEFINED AS THE TIME REQUIRED FOR THE VOLTAGE ACRUSS THE HEATER TO REACH 80% 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.

Bithe Duration of the voltage pulse must not exceed 15% of one horizontal scanning cycle. In a 525-line, 30-frame system, 15% of one horizontal scanning cycle is 10 microseconds.