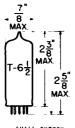
TUNG-SOL -

DOUBLE TRIODE



SMALL BUTTON
9 PIN BASE E9-1
OUTLINE DRAWING
JEDEC 6-3
GLASS BULB

COATED UNIPOTENTIAL CATHODE

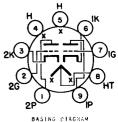
SERIES HEATER PARALLEL

12.6±5% VOLTS 6.3±5% VOLTS 0.45 AMP 0.90 AMP

AC OR DC

MOUNTING POSITION

PREFERRED: UPRIGHT OR WITH PLATE
MAJORS IN A VERTICAL POSITION
PERMISSIBLE......ANY



JEDEC 9H

BOTTOM VIEW

THE 7044 IS A DOUBLE TRIODE DESIGNED FOR USE IN ELECTRONIC COMPUTERS. THE TUBE IS CHARACTERIZED BY HIGH ZERO BIAS PLATE CURRENT AND EXCEPTIONAL FREEDOM FROM THE DEVELOPMENT OF CATHODE INTERFACE.

DIRECT INTERELECTRODE CAPACITANCES WITHOUT EXTERNAL SHIELD

	SECTION 1	SECTION	2
GRID TO PLATE: (G TO P)	6.0	6.0	μμf
INPUT: G TO (H+K)	4.8	4.8	μμf
OUTPUT: P TO (H+K)	0.65	0.55	μμf
GRID #1 TO GRID #2 (1G TO 2G)	0.1	0	μμf
PLATE #1 TO PLATE #2 (1P TO 2P)	1.	4	μμ£
HEATER TO CATHODE: (H+K)	6.0	6.0	μμf

RATINGS INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

	SERIES	PARALLEL	
HEATER VOLTAGE HEATER CURRENT HEATER POWER	12.6±5% 0.45 5.7	6.3±5% 0.90 5.7	VOLTS AMP. WATTS
MAXIMUM HEATER CATHODE VOLTAGE: HEATER NEGATIVE WITH RESPECT TO CATHO	DE		
TOTAL DC PLUS PEAK HEATER POSITIVE WITH RESPECT TO CATHOL	DE ^A	200	
DC		100 200	VOLTS VOLTS
TOTAL DC PLUS PEAK MAXIMUM AVERAGE PLATE VOLTAGE D		300	VOLTS
MAXIMUM PEAK PLATE VOLTAGE		300	VOL 13
(MEASURED BETWEEN PLATE AND CATHODE)	<u> </u>	600	VOLTS

CONTINUED ON FOLLOWING PAGE

---- TUNG-SOL ----

CONTINUED FROM PRECEDING PAGE

RATINGS - CONT'D. INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

EACH UNIT C

HEATER VOLTAGE MAXIMUM GRID VOLTAGE:	12.6±5%	6.3±5%	VOLTS
NEGATIVE BIAS VALUE DC POSITIVE BIAS VALUE DC PEAK NEGATIVE VALUE E PEAK POSITIVE VALUE E MAXIMUM AVERAGE PLATE DISSIPATION D MAXIMUM AVERAGE TOTAL PLATE DISSIPAT (BOTH UNITS) D MAXIMUM AVERAGE POSITIVE GRID CURREN' MAXIMUM PEAK POSITIVE GRID CURRENTE MAXIMUM PEAK POSITIVE GRID CURRENTE MAXIMUM PEAK CATHODE CURRENT	8.0 5.0 200 50 400		VOLTS VOLTS VOLTS VOLTS WATTS WATTS MA. MA. MA.
MAXIMUM BULB TEMPERATURE (AT HOTTES' ON BULB) MAXIMUM GRID CIRCUIT RESISTANCE FIXED BIAS CATHODE BIAS	160 0.1 0.47		°C MEGOHM MEGOHM

INITIAL CHARACTERISTICS LIMITS

RANGE VALUES FOR EQUIPMENT DESIGN

	MIN.		MAX.	
HEATER VOLTAGE (SERIES)		12.6±5%		VOLTS
HEATER VOLTAGE (PARALLEL)		6.3±5%		VOLTS
HEATER CURRENT (SERIES)		0.45		AMP.
HEATER CURRENT (PARALLEL)		0.90		AMP.
HEATER CURRENT @ Ef= 12.6 VOLTS	410		490	MA.
PLATE CURRENT				14174.
Ef = 12.6 V., Eb = 90 V., Ec				
ADJUSTED FOR Ic = 250 μA	→ 34		→ 60	MA.
PLATE CURRENT			00	mn.
Ef = 12.6 V., Eb = 120 V., Ec =- 2 V.	26		45	MA.
REVERSE GRID CURRENT			70	mr.
Ef = 12.6 V Eb = 120 V Ec=-2 V.			1.5	μA
CUTOFF PLATE CURRENT			1.5	μΛ
Ef = 12.6 V Eb = 150 V., Ec =- 14 V.			200	μΑ
HEATER-CATHODE LEAKAGE AT			200	μπ
Ef = 12.6 V. AND Ebk =± 100 V.			30	μА
MINIMUM INTERELECTRODE RESISTANCE	Ē		30	μΛ
(EXCEPT HEATER CATHODE)				
GRID TO ALL MEASURED WITH 300 VOI	LTS.			
GRID NEGATIVE	50			MEGOHMS
PLATE TO ALL MEASURED WITH 500 VOL	_TS			MEGONMS
PLATE NEGATIVE	50			MEGOHMS
INTERMITTENT LEAKAGE ^F				MEGORMS

[→] INDICATES A CHANGE.

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