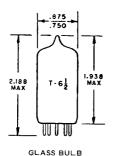
TUNG-SOL -

TRIODE-PENTODE

MINIATURE TYPE

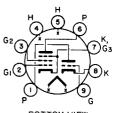


SMALL BUTTON 9 PIN BASE E9-1 OUTLINE DRAWING

JEDEC 6-2

FOR USE AS A COMBINED VHF OSCILLATOR AND MIXER

COATED UNIPOTENTIAL CATHODE ANY MOUNTING POSITION



BOTTOM VIEW BASING DIAGRAM JEDEC 9 AE

THE 6KD8 IS A MEDIUM MU TRIODE AND SHARP CUTOFF PENTODE IN THE 9 PIN MINATURE CON-STRUCTION, IT IS INTENDED FOR USE AS A COMBINED VHF OSCILLATOR AND MIXER IN TELE-VISION RECEIVERS.

GRID 1 (CONTROL GRID) TO CATHODE SPACING ON THE 6KD8 IS OF SUCH LOW ORDER OF MAG-NITUDE AS TO PRECLUDE THE USE OF VOLTAGE BETWEEN THESE ELEMENTS OF MORE THAN 100 VOLTS DC OR PEAK AC IN COMMERCIAL TUBE CHECKERS AND SHORTS INDICATING DEVICES, PARTICULARLY WHERE MECHANICAL EXCITATION OF THE TUBE IS EMPLOYED.

DIRECT INTERELECTRODE CAPACITANCES

	SHIELD 315 CONNECTED TO		UNSHIELDED		
PENTODE SECTION	PIN	PIN 4			
GRID 1 TO PLATE	Max.	.007	Max.	.015	pf
INPUT: G1 TO (H+ K + G2 + G3 + I.S.)		5.0	!	5.0	pf
OUTPUT: P TO (H + K + G2 + G3 + I.S.)		3.5	:	2.6	pf
CATHODE TO HEATER		3.0 A	;	3.0	pf
TRIODE SECTION					
GRID TO PLATE		1.8		1.8	pf
INPUT: G TO (H + PK + TK + G3 + 1.S.)	:	2.8	:	2.8	pf
OUTPUT: P TO (H + PK + TK + G3 + I.S.)	:	2.0		1.5	pf
CATHODE TO HEATER	;	3.0 A	;	3.0	pf
COUPLING					
PENTODE GRID 1 TO TRIODE PLATE	Max. (.2	Max. ().2	pf
PENTODE PLATE TO TRIODE PLATE	Ma×.	.02	Max. ().1	pf

A- SHIELD 315 CONNECTED TO PIN 6.

CONTINUED ON THE FOLLOWING PAGE

--- TUNG-SOL ----

CONTINUED FROM PRECEDING PAGE

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	400	MA.
HEATER-CATHODE VOLTAGE - TRIODE AND PENT	ODE SECTIONS	5		
HEATER NEGATIVE WITH RESPECT TO CATHOE	DE			
TOTAL DC AND PEAK			200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHOD	E			
DC			100	VOL TS
TOTAL DC AND PEAK			200	VOL TS

MAXIMUM RATINGS

DESIGN MAXIMUM RATINGS . SEE EIA STANDARD RS-239

	TRIODE SECTION	PENTODE SECTION	
PLATE VOLTAGE	330	330	VOLTS
GRID 2 SUPPLY VOLTAGE		330	VOLTS
GRID 2 VOLTAGE	:	SEE RATING CHART	
POSITIVE DC GRID 1 VOLTAGE	0	0	VOLTS
PLATE DISSIPATION	2.5	3.0	WATTS
GRID 2 DISSIPATION		0.55	WATTS
GRID 1 CIRCUIT RESISTANCE			
FIXED BIAS		0.5	MEGOHM
SELF BIAS		1.0	MEGOHM

CHARACTERISTICS AND TYPICAL OPERATION

	TRIODE SECTION	PENTODE SECTION	
PLATE VOLTAGE	125	125	VOLTS
GRID 2 VOLTAGE		110	VOLTS
GRID 1 VOLTAGE	-1,0	-1.0	VOLTS
F'LATE CURRENT	13.5	9.5	MA.
ORID 2 CURRENT		3.5	MA.
TRANSCONDUCTANCE	7,500	5,000	μ MHOS
AMPLIFICATION FACTOR	40		
PLATE RESISTANCE	Ap	prox. 0,2	MEGOHM
Ect FOR $I_b = 20 \mu A$	Approx9 Ap	oprox8	VOLTS
$G_{m}AT E_{c1} = 0 V., E_{b} = 100 V., E_{c2} = 70 V.$		5,500	μ MHOS