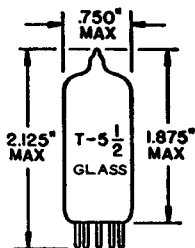


## TUNG-SOL

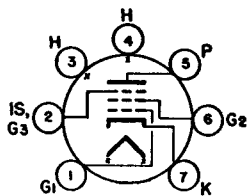
## PENTODE

## MINIATURE TYPE

OUTLINE DRAWING  
JEDEC 5-2

FOR  
INDUSTRIAL AND COMMERCIAL  
APPLICATIONS WITH A HIGH  
DEGREE OF RELIABILITY

COATED UNIPOTENTIAL CATHODE  
ANY MOUNTING POSITION

BASING DIAGRAM  
JEDEC 7BKBASE 7 PIN MINIATURE BUTTON  
JEDEC E7-1

## BOTTOM VIEW

THE 6AU6WB IS A SHARP CUTOFF PENTODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS CHARACTERIZED BY LONG LIFE AND STABLE PERFORMANCE UNDER SEVERE CONDITIONS OF SHOCK, VIBRATION, HIGH TEMPERATURE AND HIGH ALTITUDE. THE TUBE MAY ALSO BE OPERATED UNDER STAND-BY CONDITIONS.

DIRECT INTERELECTRODE CAPACITANCES  
WITHOUT EXTERNAL SHIELD

GRID 1 TO PLATE	MAX.	0.0035	pf
INPUT		6.0	pf
OUTPUT		4.9	pf

## HEATER CHARACTERISTICS AND RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	300	mA
LIMITS OF APPLIED VOLTAGE - AC OR DC		6.3 ± 0.6	VOLTS
HEATER-CATHODE VOLTAGE			
HEATER POSITIVE WITH RESPECT TO CATHODE		100	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE		100	VOLTS

CONTINUED ON FOLLOWING PAGE

## TUNG-SOL

CONTINUED FROM PRECEDING PAGE

## MAXIMUM RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE - DC	330	VOLTS
GRID 2 VOLTAGE	SEE RATING CHART	
PLATE DISSIPATION	3.1	WATTS
GRID 2 DISSIPATION	0.7	WATT
GRID 3 VOLTAGE	0	VOLTS
GRID 1 VOLTAGE		
POSITIVE VALUE	0	VOLTS
NEGATIVE VALUE	50	VOLTS
GRID 1 CURRENT	1.0	mA
ENVELOPE TEMPERATURE	165	° C
ALTITUDE	60,000	FEET
GRID 1 CIRCUIT RESISTANCE	0.5	MEGOHMS

## CHARACTERISTICS

PLATE VOLTAGE	250	VOLTS
GRID 2 VOLTAGE	150	VOLTS
GRID 3 VOLTAGE - CONNECTED TO NEGATIVE END OF CATHODE RESISTOR	0	VOLTS
CATHODE RESISTOR	68	OHMS
PLATE CURRENT	10.6	mA
GRID 2 CURRENT	4.3	mA
TRANSCONDUCTANCE	5,200	μMHOS
PLATE RESISTANCE	1.0	MEGOHMS
GRID 1 VOLTAGE FOR $I_b = 35 \mu A$ MAX.	-9.0	VOLTS

## SPECIAL TESTS

LOW - FREQUENCY VIBRATION  
 VIBRATION FATIGUE  
 SHOCK TEST  
 HEATER - CYCLING LIFE TEST  
 INTERMITTENT LIFE TEST  
 INTERFACE LIFE TEST