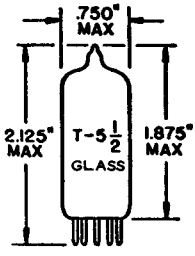
TUNG-SOL

PENTODE

MINIATURE TYPE

OUTLINE DRAWING
JEDEC 5-2



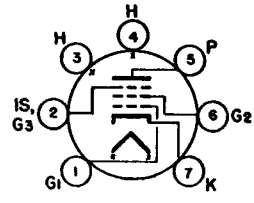
BASE 7 PIN MINIATURE BUTTON
JEDEC E7-1

FOR
INDUSTRIAL AND COMMERCIAL
APPLICATIONS WITH A HIGH
DEGREE OF RELIABILITY

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION

BASING DIAGRAM
JEDEC 7BK



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

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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