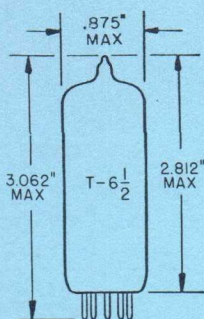


TUNG-SOL

OUTLINE DRAWING
JEDEC 6-4



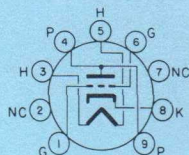
GLASS BULB
MINIATURE BUTTON
BASE 9 PIN E9-1

POWER TRIODE
MINIATURE TYPE

FOR
MILITARY AND INDUSTRIAL
AIRBORNE APPLICATIONS

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION

BASING DIAGRAM
JEDEC 9GB



BOTTOM VIEW
IF TUBE IS MOUNTED IN A
HORIZONTAL POSITION,
PINS 1 AND 6 SHOULD LIE
IN A VERTICAL PLANE.

THE 6877 IS A HARD GLASS, LOW-MU TRIODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR SERVICE AS A PASSING OR REGULATOR TUBE IN REGULATED DC POWER SUPPLIES, CAPABLE OF OPERATION AT HIGH TEMPERATURES AND HIGH ALTITUDES.

HEATER CHARACTERISTICS AND RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	800 mA
CATHODE HEATING TIME		30 SECONDS
LIMITS OF APPLIED VOLTAGE		6.3±0.3 VOLTS
HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE		450 VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		450 VOLTS

MAXIMUM RATINGS

ABSOLUTE MAXIMUM RATINGS - SEE EIA STANDARD RS-239

PLATE VOLTAGE	200 VOLTS
POSITIVE DC GRID VOLTAGE	5.0 VOLTS
NEGATIVE DC GRID VOLTAGE	150 VOLTS
PLATE DISSIPATION	12 WATTS
DC CATHODE CURRENT	100 mA
DC GRID CURRENT	5 mA
GRID CIRCUIT RESISTANCE	1 MEGOHM

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

CHARACTERISTICS AND TYPICAL OPERATION

PLATE VOLTAGE	150	VOLTS
GRID VOLTAGE	-12	VOLTS
PLATE CURRENT	75	mA
TRANSCONDUCTANCE	6,500	μ Mhos
AMPLIFICATION FACTOR	3.75	
PLATE RESISTANCE	2,000	OHMS

SPECIAL TESTS AND RATINGS

SHOCK	
VIBRATION	
HEATER-CYCLING LIFE	
INTERMITTENT LIFE	
BULB TEMPERATURE - ABSOLUTE MAX.	300 °C.
ALTITUDE - ABSOLUTE MAX.	80,000 Ft.

