

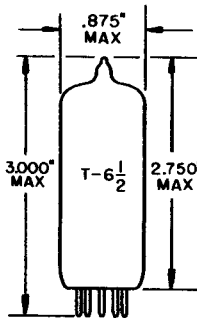
**TUNG-SOL****BEAM PENTODE**

MINIATURE TYPE

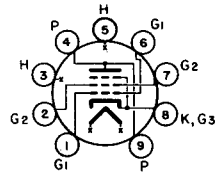
FOR  
MOBILE EQUIPMENT  
APPLICATIONS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



HARD GLASS ENVELOPE  
MINIATURE BASE E9-1  
9PINS-GOLD PLATED TUNGSTEN



**BOTTOM VIEW  
BASING DIAGRAM  
JEDEC 9DH**

THE 6094 IS A BEAM POWER PENTODE IN A T-6 1/2 HARD GLASS ENVELOPE. IT IS DESIGNED FOR SERVICE IN EQUIPMENT WITH HIGH AMBIENT TEMPERATURES AND WHERE HIGH LEVELS OF VIBRATION, SHOCK AND OTHER ACCELERATIONS ARE ENCOUNTERED.

**DIRECT INTERELECTRODE CAPACITANCES**

WITHOUT EXTERNAL SHIELD

GRID 1 TO PLATE	1.45	pf
INPUT	8.5	pf
OUTPUT	5.3	pf

**HEATER CHARACTERISTICS AND RATINGS**

ABSOLUTE MAXIMUM RATING SYSTEM - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	600	MA
LIMITS OF APPLIED VOLTAGE			6.3 ± 0.3	VOLTS
LIMITS OF HEATER-CATHODE VOLTAGE			450	VOLTS

**TUNG-SOL**

CONTINUED FROM PRECEDING PAGE

**MAXIMUM RATINGS**

ABSOLUTE MAXIMUM RATING SYSTEM - SEE EIA STANDARD RS-239

PLATE VOLTAGE	275	VOLTS
POSITIVE GRID 1 VOLTAGE	5	VOLTS
GRID 2 VOLTAGE	275	VOLTS
PLATE DISSIPATION	12.5	WATTS
GRID 2 DISSIPATION	2.0	WATTS
CATHODE CURRENT	75	MA
ALTITUDE	60,000	FT
ENVELOPE TEMPERATURE	+300°	C

**AVERAGE CHARACTERISTICS**

PLATE VOLTAGE	250	VOLTS
GRID 2 VOLTAGE	250	VOLTS
GRID 1 VOLTAGE	-12.5	VOLTS
PLATE CURRENT	45	MA
GRID 2 CURRENT	3.5	MA
TRANSCONDUCTANCE	4,100	μMHOS

**TYPICAL OPERATION**

PLATE VOLTAGE	250	VOLTS
GRID 2 VOLTAGE	250	VOLTS
GRID 1 VOLTAGE	-12.5	VOLTS
GRID 1 SIGNAL VOLTAGE	8.8	VOLTS RMS
LOAD RESISTANCE	5,000	OHMS
POWER OUTPUT	4.5	WATTS

**ADDITIONAL TESTS**

HEATER CYCLING  
 HIGH TEMPERATURE LIFE  
 HIGH LEVEL FATIGUE  
 SHOCK

