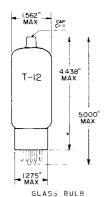
TUNG-SOL -

BEAM POWER PENTODE



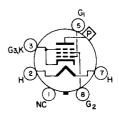
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.9 AMP. AC OR DC

VERTICAL MOUNTING POSITION

HORIZONTAL OPERATION PERMITTED IF PINS #2 AND #7 ARE IN A VERTICAL PLANE.



BOTTOM VIEW BASING DIAGRAM JEDEC 58T

BB-110 OR B6-120 OR B5-123
SHORT MEDIUM SHELL
5 PIN OCTAL WITH
EXTERNAL BARRIERS

THE 6BG6GA IS A BEAM-POWER PENTODE DESIGNED PRIMARILY FOR USE AS THE HORIZONTAL-DEFLECTION AMPLIFIER IN TELEVISION RECEIVERS. ELECTRICALLY AND PHYSICALLY, THE 6BG6GA IS A REPLACEMENT FOR THE 6BG6G; IT DIFFERS PRIMARILY FROM THE 6BG6G BY EMPLOYING A STRAIGHT-SIDED T-12 ENVELOPE.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

GRID #1 TO PLATE	.8 pf
INPUT 11	.0 p·f
OUTPUT 6	.0 pf

RATINGS INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM HORIZONTAL DEFLECTION AMPLIFIER^A

MAXIMUM D	OC PLATE SUPPLY VOLTAGE	700	VOLT\$
MAXIMUM P	PEAK POSITIVE PULSE PLATE VOLTAGE (ABS. MAX.)	6600	VOLTS
	PEAK NEGATIVE PULSE PLATE VOLTAGE	1500	VOLTS
MAXIMUM P	PLATE DISSIPATION ^B	20	WATTS
MAXIMUM P	PEAK NEGATIVE GRID #1 VOLTAGE	300	VOLTS
MAXIMUM G	GR!D #2 VOLTAGE	350	VOLTS
MAXIMUM G	GRID #2 DISSIPATION	3.2	WATTS
MAXIMUM D	OC CATHODE CURRENT	110	MA.
MAXIMUM P	PEAK CATHODE CURRENT	400	MA.
MAXIMUM G	GRID #1 CIRCUIT RESISTANCE	0.47	MEGOHM
MAXIMUM B	BULB TEMPERATURE (AT HOTTEST POINT)	210	°c

A FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCAST STATIONS: FEDERAL COMMUNICATIONS COMMISSION", THE BUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 15% OF ONE SCANNING CYCLE.

--- INDICATES A CHANGE.

CONTINUED ON FOLLOWING PAGE

B IN STAGES OPERATING WITH GRID-LEAK BIAS, AN ADEQUATE CATHODE-BIAS RESISTOR OR OTHER SUITABLE MEANS IS REQUIRED TO PROTECT THE TUBE IN THE ABSENCE OF EXCITATION.

----- TUNG-SOL -----

CONTINUED FROM PRECEDING PAGE

RATINGS — CONT¹D INTERPRETED ACCORDING TO DESIGN CENTER SYSTEN HORIZONTAL DEFLECTION AMPLIFIER A

MAXIMUM HEATER-CATHODE VOLTAGE:

HEATER NEGATIVE WITH RESPECT TO CATHODE TOTAL DC AND PEAK	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE DC TOTAL DC AND PEAK	100 200	VOLTS VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

PLATE VOLTAGE	60	250	VOLTS
GRID #2 VOLTAGE	250	250	VOLTS
PLATE CURRENT	180	75	MA.
GRID #2 CURRENT	18	4.0	MA.
GRID #1 VOLTAGE	0	-15	VOLTS
PLATE RESISTANCE (APPROX.)		25 000	OHMS
TRANSCONDUCTANCE		6 000	μMH0S
GRID #1 VOLTAGE (APPROX.) FOR Ib=1.0 MA.		-45	VOLTS
TRIODE AMPLIFICATION FACTOR		8.0	

 $^{{\}rm ^{C}_{TRIODE}}$ Commected (GRID *2 TIED TO PLATE): Eb =Ec2 =250 VOLTS AND Ec1 =-15VOLTS.