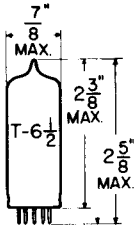
TUNG-SOL

TRIODE-PENTODE

MINIATURE TYPE



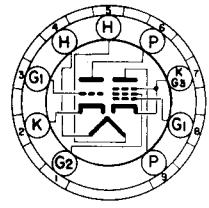
GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.90 AMP.

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON
9 PIN BASE

THE 6GE8 IS A COMBINED LOW MU, HIGH PERVEANCE TRIODE AND A SHARP CUT-OFF PENTODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS PARTICULARLY SUITABLE FOR VOLTAGE REGULATION APPLICATIONS.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

TRIODE SECTION:

GRID TO PLATE	7.5	μμf
INPUT: G TO (H+K)	5.5	μμf
OUTPUT: P TO(H+K)	1.3	μμf

PENTODE SECTION:

GRID #1 TO PLATE	.02	μμf
INPUT: G1 TO (H+K+G2+G3)	8.0	μμf
OUTPUT: P TO (H+K+G2+G3)	2.4	μμf

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

	SEC. #1 PENTODE	SEC. #2 TRIODE	
HEATER VOLTAGE	6.3		VOLTS
MAXIMUM DC PLATE VOLTAGE	330	275	VOLTS
MAXIMUM DC GRID #2 VOLTAGE	275		VOLTS
MAXIMUM PLATE DISSIPATION	1.0	7.0	WATTS
MAXIMUM GRID #2 INPUT	0.5		WATTS
MAXIMUM AVERAGE CATHODE CURRENT		50	MA.
MAXIMUM PEAK CATHODE CURRENT		175	MA.
MAXIMUM GRID CIRCUIT RESISTANCE:			
SELF BIAS	2.2	2.2	MEGOHMS
MAXIMUM HEATER-CATHODE VOLTAGE			
HEATER NEGATIVE WITH RESPECT TO CATHODE	200		VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	100		VOLTS

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TUNG-SOL

CONTINUED FROM PRECEDING PAGE

AVERAGE CHARACTERISTICS

	PENTODE	TRIODE	
HEATER VOLTAGE	6.3		VOLTS
HEATER CURRENT	0.90		AMP.
PLATE VOLTAGE	150	150	VOLTS
GRID #2 VOLTAGE	150		VOLTS
PLATE CURRENT	5.5	35	MA.
GRID #2 CURRENT	1.7		MA.
GRID #1 VOLTAGE	-2	-21	VOLTS
TRANSCONDUCTANCE	3200	5000	μMHOS
AMPLIFICATION FACTOR		5.4	
PLATE RESISTANCE	340 000	1 080	OHMS
GRID #1 VOLTAGE FOR I_b=50 μA	-8		VOLTS
GRID #1 VOLTAGE FOR I_b=500μA		-42	VOLTS
ZERO BIAS PLATE CURRENT AT E_b=50V, E_{c1}=0 V.		70	MA.
PLATE RESISTANCE AT E_b=100, E_{c2}=50 V & I_b =100 μA	>7		MEGOHMS