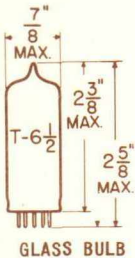


TUNG-SOL

TRIODE-PENTODE

MINIATURE TYPE

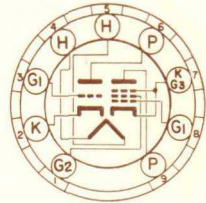


COATED UNIPOTENTIAL CATHODE

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	$\mu\mu\text{f}$
INPUT: G TO (H+K)	5.5	$\mu\mu\text{f}$
OUTPUT: P TO (H+K)	1.3	$\mu\mu\text{f}$

PENTODE SECTION:

GRID #1 TO PLATE	.02	$\mu\mu\text{f}$
INPUT: G1 TO (H+K+G2+G3)	8.0	$\mu\mu\text{f}$
OUTPUT: P TO (H+K+G2+G3)	2.4	$\mu\mu\text{f}$

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

CONTINUED ON FOLLOWING PAGE

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	μ MHOS
AMPLIFICATION FACTOR		5.4	
PLATE RESISTANCE	340 000	1 080	OHMS
GRID #1 VOLTAGE FOR $I_b = 50 \mu A$	-8		VOLTS
GRID #1 VOLTAGE FOR $I_b = 500 \mu A$		-42	VOLTS
ZERO BIAS PLATE CURRENT AT $E_b = 50V, E_c1 = 0 V.$		70	MA.
PLATE RESISTANCE AT $E_b = 100,$ $E_c2 = 50 V \& I_b = 100 \mu A$	>7		MEGOHMS