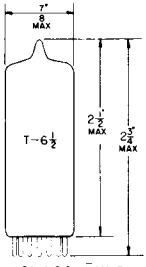
TUNG-SOL

TRIODE PENTODE

MINIATURE TYPE



GLASS BULB

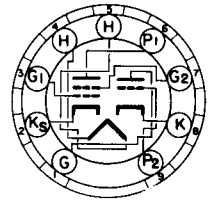
COATED UNIPOTNETIAL CATHODE

HEATER

6.3 VOLTS 0.90 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE
9 PIN BASE

THE 6DZ8 IS A HIGH-MU TRIODE, POWER PENTODE IN THE MINIATURE 9 PIN CONSTRUCTION. IT IS DESIGNED AS A TWO STAGE AUDIO FREQUENCY AMPLIFIER WHERE THE PLATE SUPPLY VOLTAGE IS OBTAINED FROM A SINGLE HALF-WAVE RECTIFIER DIRECTLY FROM THE 120 VOLT AC LINE.

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

	TRIODE	PENTODE	
HEATER VOLTAGE	6.3		VOLTS
MAXIMUM PLATE VOLTAGE	150	150	VOLTS
MAXIMUM PLATE DISSIPATION	.75	6.5	WATTS
MAXIMUM GRID (2) VOLTAGE	---	135	VOLTS
MAXIMUM GRID (2) DISSIPATION	---	1.5	WATTS
MAXIMUM DC HEATER-CATHODE POTENTIAL	110	110	VOLTS
MAXIMUM GRID CIRCUIT RESISTANCE	5.0	0.5	MEGOHMS
MAXIMUM CATHODE CURRENT	5.0	60.0	MA.
MAXIMUM HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHODE	200		VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	200		VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

	TRIODE		PENTODE	
HEATER VOLTAGE		6.3		VOLTS
HEATER CURRENT		0.90		AMP.
PLATE VOLTAGE	120	---	145	VOLTS
GRID #2 VOLTAGE	---		120	VOLTS
GRID #1 VOLTAGE	0		0	VOLTS
CATHODE RESISTOR	1500		180	OHMS
PLATE CURRENT	0.8		45	MA.
GRID #2 CURRENT	---		6	MA.
TRANSCONDUCTANCE	1400		7500	μMHOS
LOAD RESISTANCE	---		2500	OHMS
GRID CUTOFF VOLTAGE FOR 20μA	-2.5		---	VOLTS
AMPLIFICATION FACTOR	100		---	
POWER OUTPUT	---		2.0	WATTS

SIMILAR TYPE REFERENCE: *Except for heater ratings the 6DZ8 is identical to the 9DZ8, 12DZ8, 18DZ8, and the 35DZ8.*

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