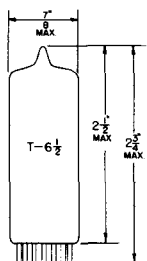


TUNG-SOL**TRIODE PENTODE****MINIATURE TYPE****GLASS BULB**

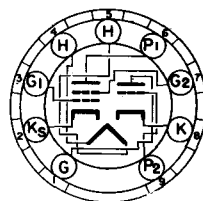
COATED UNIPOTENTIAL CATHODE

HEATER

18.0 VOLTS 0.30 AMP.

AC OR DC

ANY MOUNTING POSITION

**BOTTOM VIEW**MINIATURE
9 PIN BASE

THE 18DZ8 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	18.0	18.0	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	MEG OHMS
MAXIMUM CATHODE CURRENT	5.0	60.0	MA.
MAXIMUM HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHODE	200	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	200	200	VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

	TRIODE	PENTODE	
HEATER VOLTAGE	18.0		VOLTS
HEATER CURRENT	0.30		AMP.
PLATE VOLTAGE	120	145	VOLTS
GRID #2 VOLTAGE	---	120	VOLTS
GRID #4 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 18DZ8 is identical to the 6DZ8, 9DZ8, 12DZ8, and the 35DZ8.