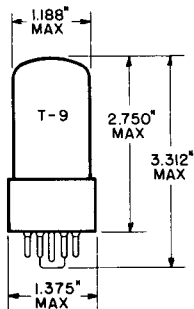


TUNG-SOL

OUTLINE DRAWING

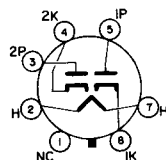


GLASS BULB
LOW LOSS MEDIUM
SHELL 7 PIN OCTAL
WITH RUBBER INSERT
BASE B7-12

TWIN DIODE
FOR
USE IN THE
POWER SUPPLY OF AC
OR AC/DC RECEIVERS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION

BASING DIAGRAM
JEDEC 7Q

BOTTOM VIEW

THE 25Z6WGT IS A RUGGEDIZED HEATER-CATHODE TYPE FULL-WAVE HIGH-VACUUM RECTIFIER-DOUBLER IN THE OCTAL BASE T-9 CONSTRUCTION. IT IS DESIGNED FOR USE IN THE POWER SUPPLY OF AC OR AC/DC RECEIVERS.

HEATER CHARACTERISTICS AND RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	25.0 VOLTS	300 mA
LIMITS OF APPLIED VOLTAGE	25.0±2.5	VOLTS
HEATER-CATHODE VOLTAGE	350	VOLTS

MAXIMUM RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

PEAK INVERSE PLATE VOLTAGE	730	VOLTS
PEAK PLATE CURRENT PER PLATE	500	mA
DC OUTPUT CURRENT PER PLATE	85	mA
ALTITUDE	10,000	FT.

AVERAGE CHARACTERISTICS

TUBE VOLTAGE DROP AT $I_b = 150\text{mA}$	22	VOLTS
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TYPICAL OPERATION

HALF-WAVE RECTIFIER (CAPACITOR INPUT FILTER)*

PLATE SUPPLY VOLTAGE, RMS, PER PLATE	117	235	VOLTS
PLATE SUPPLY RESISTANCE PER PLATE	15	100	OHMS
FILTER INPUT CAPACITOR	16	16	μ F
DC OUTPUT CURRENT PER PLATE	75	75	mA
DC OUTPUT VOLTAGE AT FILTER INPUT	115	255	VOLTS

*AS A HALF-WAVE RECTIFIER, THE TWO SECTIONS MAY BE USED SEPARATELY OR IN PARALLEL.

TYPICAL OPERATION

VOLTAGE DOUBLER

	HALF-WAVE	FULL-WAVE	
PLATE SUPPLY VOLTAGE, RMS, PER PLATE	117	117	VOLTS
FILTER INPUT CAPACITOR	16	16	μ F
PLATE SUPPLY IMPEDANCE PER PLATE	30	15	OHMS
DC OUTPUT CURRENT	75	75	mA
DC OUTPUT VOLTAGE AT FILTER INPUT:			
AT HALF-LOAD CURRENT OF 37.5 mA	-	250	VOLTS
AT FULL-LOAD CURRENT OF 75 mA	-	205	VOLTS

NOTE: WHEN FILTER CAPACITORS LARGER THAN 40 μ F ARE USED, IT MAY BE NECESSARY TO INCREASE PLATE SUPPLY RESISTANCE ABOVE VALUE GIVEN.