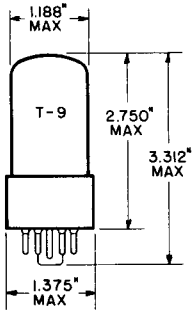


TUNG-SOL

OUTLINE DRAWING



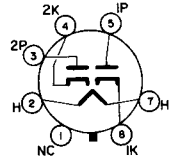
GLASS BULB  
LOW LOSS MEDIUM  
SHELL 7 PIN OCTAL  
WITH RUBBER INSERT  
BASE B7-12

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 $I_b = 150mA$	22 VOLTS
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## TUNG-SOL

CONTINUED FROM PRECEDING PAGE

### 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	$\mu$ 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	$\mu$ 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  $\mu$ F ARE USED, IT MAY BE NECESSARY TO INCREASE PLATE SUPPLY RESISTANCE ABOVE VALUE GIVEN.

