

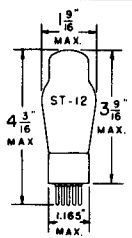
TUNG-SOL

TWIN DIODE HIGH VACUUM RECTIFIER
VOLTAGE DOUBLER

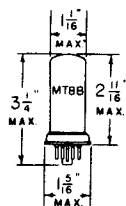
UNIPOTENTIAL CATHODES

HEATER

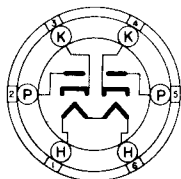
25 VOLTS 0.3 AMPERE
AC OR \bar{V}



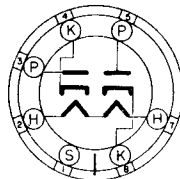
GLASS BULB
SMALL 6 PIN BASE
25Z5



METAL SHELL
7 PIN OCTAL BASE
25Z6



6E
BOTTOM VIEW
25Z5



7Q
BOTTOM VIEW
25Z6

THE TUNG-SOL 25Z5 AND 25Z6 ARE DESIGNED PRIMARILY FOR SERVICE AS POWER RECTIFIERS IN AC-DC RECEIVERS. TWO SEPARATE RECTIFIER SECTIONS PERMIT USING THE TUBE AS A VOLTAGE DOUBLER, FULL WAVE RECTIFIER OR HALF WAVE RECTIFIER. FOR HALF WAVE OPERATION THE TWO SECTIONS MAY BE OPERATED SEPARATELY, OR IN PARALLEL TO REDUCE TUBE DROP. THEIR RATINGS AND ELECTRICAL CHARACTERISTICS ARE IDENTICAL TO THOSE OF THE 25Z6GT/G.

RATINGS

MAXIMUM AC PLATE VOLTAGE PER PLATE (RMS)	235	VOLTS
MAXIMUM DC HEATER TO CATHODE POTENTIAL	350	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	700	VOLTS
MAXIMUM STEADY-STATE PEAK PLATE CURRENT PER PLATE	450	MA.
TUBE VOLTAGE DROP	22	VOLTS
AT 150 MA. PER PLATE		

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

VOLTAGE DOUBLER

	HALF WAVE	FULL WAVE	
AC VOLTAGE PER PLATE (RMS) MAX.	117	117	VOLTS
DC OUTPUT CURRENT MAX.	75	75	MA.
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE MIN. ^A	30	15	OHMS

^A WHEN FILTER CONDENSER LARGER THAN 40 μ FDS ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

CONTINUED NEXT PAGE

25Z5, 25Z6

TUNG-SOL

HALF-WAVE RECTIFIER

AC VOLTAGE PER PLATE (RMS) ^{MAX.}	117	150	235 ^{MAX.}	VOLTS
DC OUTPUT CURRENT PER PLATE ^{MAX.}	75	75	75	MA.
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE ^{MIN.-A}	15	40	100	OHMS

