

TUNG-SOL

TWIN DIODE HIGH VACUUM RECTIFIER

VOLTAGE DOUBLER

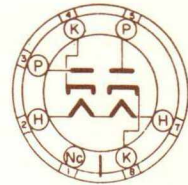
UNIPOTENTIAL CATHODE

HEATER

50 VOLTS 0.15 AMPERE

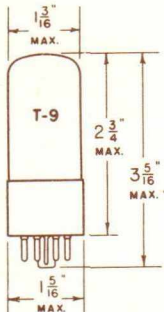
AC OR DC

GLASS BULB



G-7Qa

BOTTOM VIEW



INTERMEDIATE 7 PIN OCTAL BASE

THE TUNG-SOL 50Y6GT/G IS DESIGNED PRIMARILY FOR SERVICE AS A POWER RECTIFIER 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. ITS RATINGS AND ELECTRICAL CHARACTERISTICS ARE IDENTICAL TO THOSE OF THE 25Z5 AND THE 25Z6GT/G.

RATINGS

MAXIMUM AC PLATE VOLTAGE (RMS)	235	VOLTS
MAXIMUM DC HEATER TO CATHODE POTENTIAL	350	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	700	VOLTS
MAXIMUM STEADY-STATE PEAK PLATE CURRENT	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 CONDENSERS LARGER THAN 40 UFDS ARE USED IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

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

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50Y6GT/G

TUNG-SOL

HALF WAVE RECTIFIER

AC PLATE VOLTAGE PER PLATE (RMS)	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

^A WHEN FILTER CONDENSERS LARGER THAN 40 UFDS ARE USED IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

