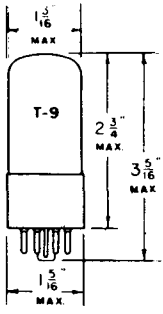
TUNG-SOL

TWIN DIODE HIGH VACUUM RECTIFIER

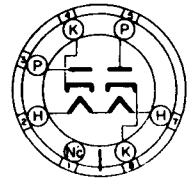
VOLTAGE DOUBLER



UNIPOTENTIAL CATHODES

HEATER
25 VOLTS 0.3 AMPERE
AC OR DC

GLASS BULB



G-7Qa
BOTTOM VIEW

INTERMEDIATE 7 PIN OCTAL BASE

THE TUNG-SOL 25Z6GT/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 25Z6.

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 PER PLATE	450	MA.
TUBE VOLTAGE DROP AT 150 MA. PER PLATE	22	VOLTS

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

NOTE: THIS DOUBLE-BRANDED TUBE, 25Z6GT/G, REPLACES EITHER THE 25Z6G OR THE 25Z6GT.

[A] WHEN FILTER CONDENSERS LARGER THAN 40 µFDS ARE USED, IT MAY BE NECESSARY TO ADD ADDITIONAL PLATE SUPPLY IMPEDANCE.

PLATE 930-8

DEC. 30 1940

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

CONTINUED NEXT PAGE

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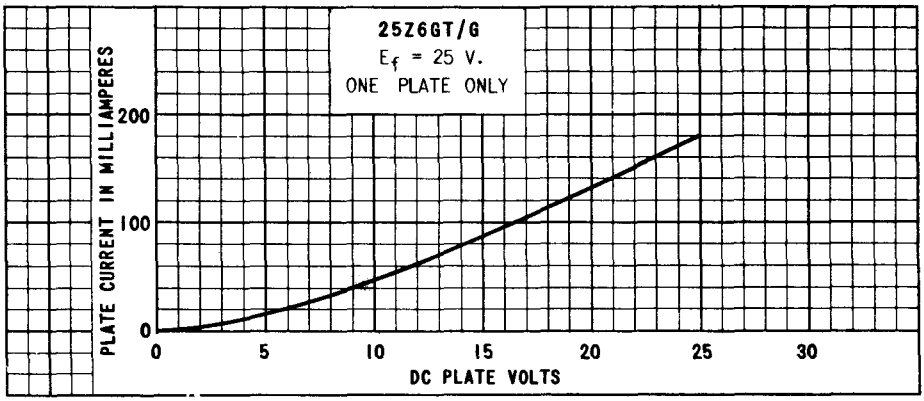
25Z6GT/G

TUNG-SOL

HALF-WAVE RECTIFIER

AC 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.	15	40	100	OHMS



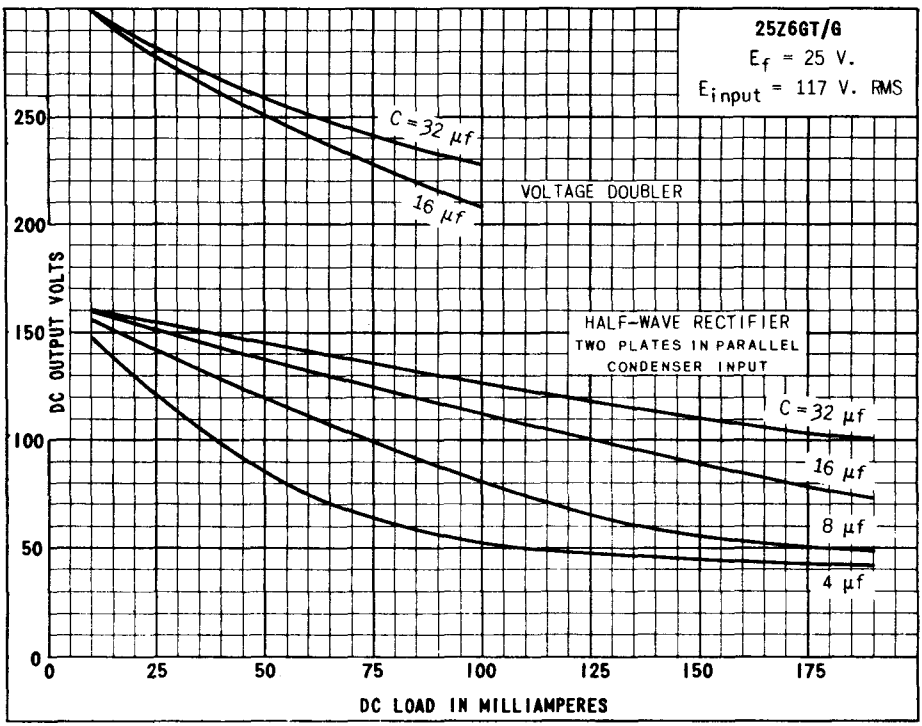


PLATE 932-4

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