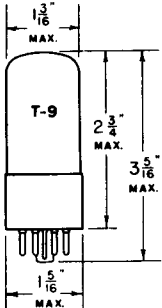
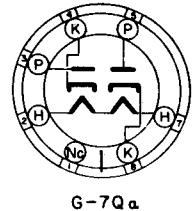


**TUNG-SOL**

**TWIN DIODE HIGH VACUUM RECTIFIER**

**VOLTAGE DOUBLER**

UNIPOTENTIAL CATHODE  
 HEATER  
 50 VOLTS 0.15 AMPERE  
 AC OR DC



GLASS BULB

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) <sup>MAX.</sup>	117	117	VOLTS
DC OUTPUT CURRENT <sup>MAX.</sup>	75	75	MA.
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE <sup>MIN. A</sup>	30	15	OHMS

<sup>A</sup> 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.

PLATE  
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JUNE 6  
1941

CONTINUED NEXT PAGE

# 50Y6GT/G

## TUNG-SOL

### HALF WAVE RECTIFIER

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

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

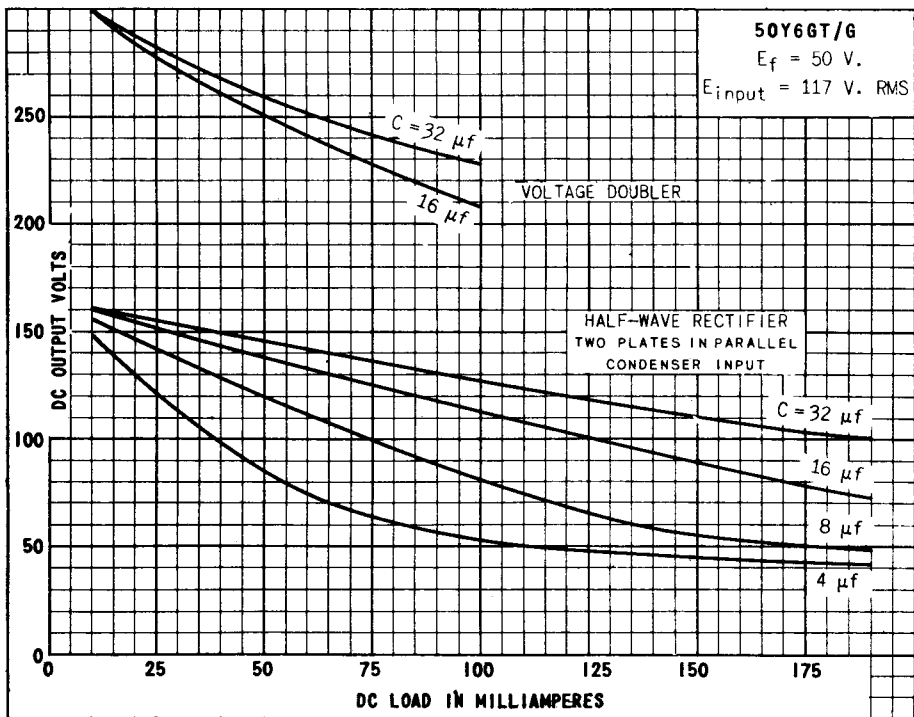
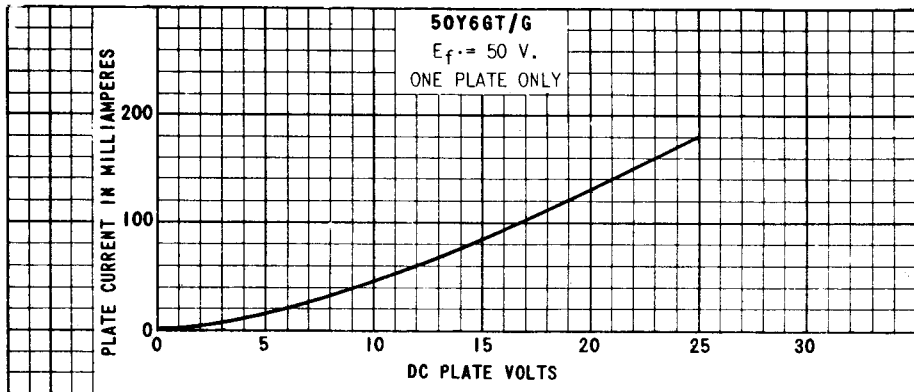


PLATE 1064-1