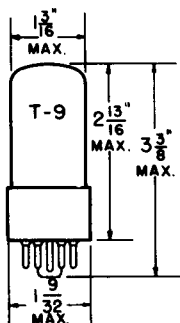


## TUNG-SOL

## DOUBLE DIODE



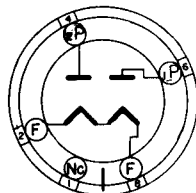
GLASS BULB

COATED FILAMENT

5.0 VOLTS 2.0 AMP.

AC OR DC

VERTICAL MOUNTING POSITION

5Y3GT - HORIZONTAL OPERATION PERMITTED  
IF PINS #2 AND #4 ARE IN A VERTICAL PLANE.BOTTOM VIEW  
INTERMEDIATE SHELL  
5 PIN OCTAL

5T

THE 5Y3GT IS DESIGNED FOR USE AS A POWER RECTIFIER IN AC OPERATED RECEIVERS.

## RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

FILAMENT VOLTAGE	5.0	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	1 400	VOLTS
MAXIMUM AC PLATE SUPPLY VOLTAGE EACH PLATE (RMS)	SEE CHART #1	
MAXIMUM STEADY STATE PEAK PLATE CURRENT EACH PLATE <sup>A</sup>	440	MA.
MAXIMUM TRANSIENT PEAK PLATE CURRENT EACH PLATE <sup>B</sup>	2.5	AMP.
TUBE VOLTAGE DROP (MEASURED WITH TUBE CONDUCTING 125 MA. EACH PLATE)	50	VOLTS
MAXIMUM STEADY STATE DC OUTPUT CURRENT EACH PLATE	SEE CHART #1	

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FULL-WAVE RECTIFIER

	INPUT TO FILTER		
	CAPACITOR	CHOKER	
FILAMENT VOLTAGE	5.0	5.0	VOLTS
FILAMENT CURRENT	2.0	2.0	AMP.
AC PLATE SUPPLY VOLTAGE EACH PLATE (RMS)	350	500	VOLTS
INPUT CAPACITOR	20	—	$\mu$ f
INPUT CHOKER	—	10	HENRIES
EFFECTIVE PLATE SUPPLY IMPEDANCE EACH PLATE	50	—	OHMS
DC OUTPUT CURRENT	125	125	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	360	380	VOLTS

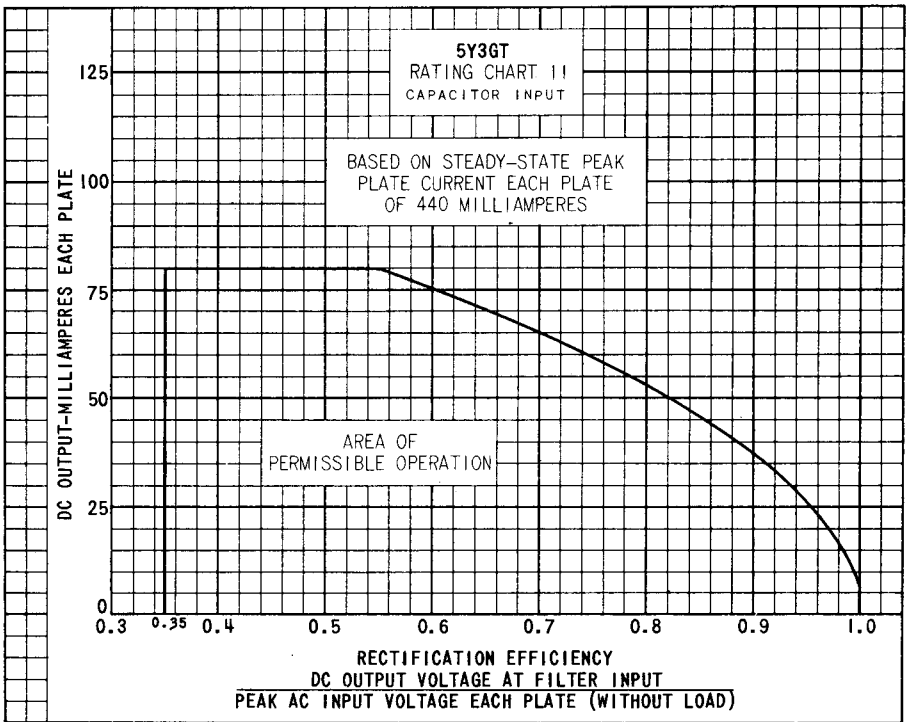
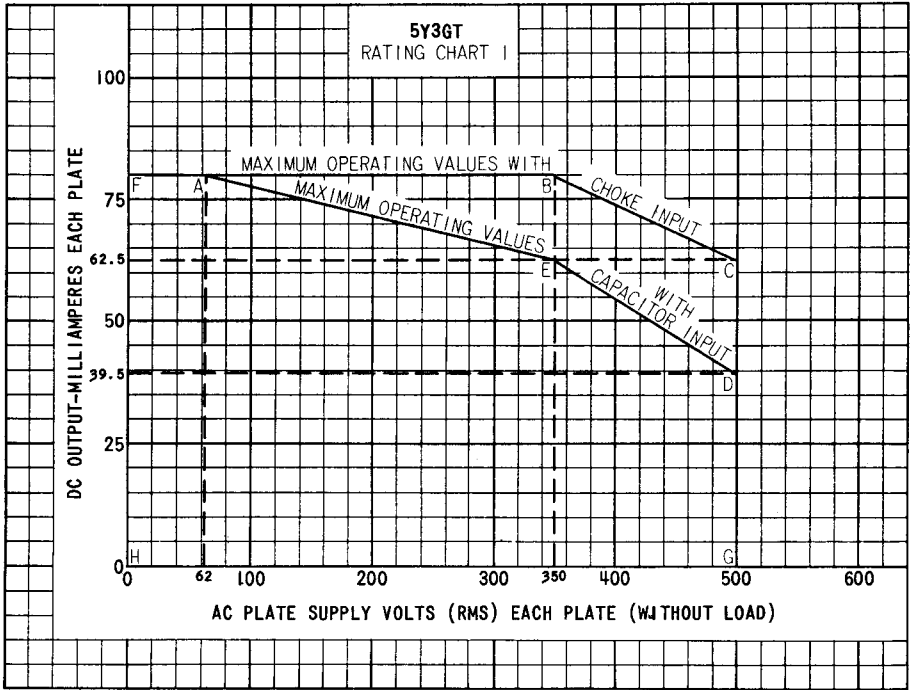
AC PLATE SUPPLY VOLTAGE IS MEASURED WITHOUT LOAD.

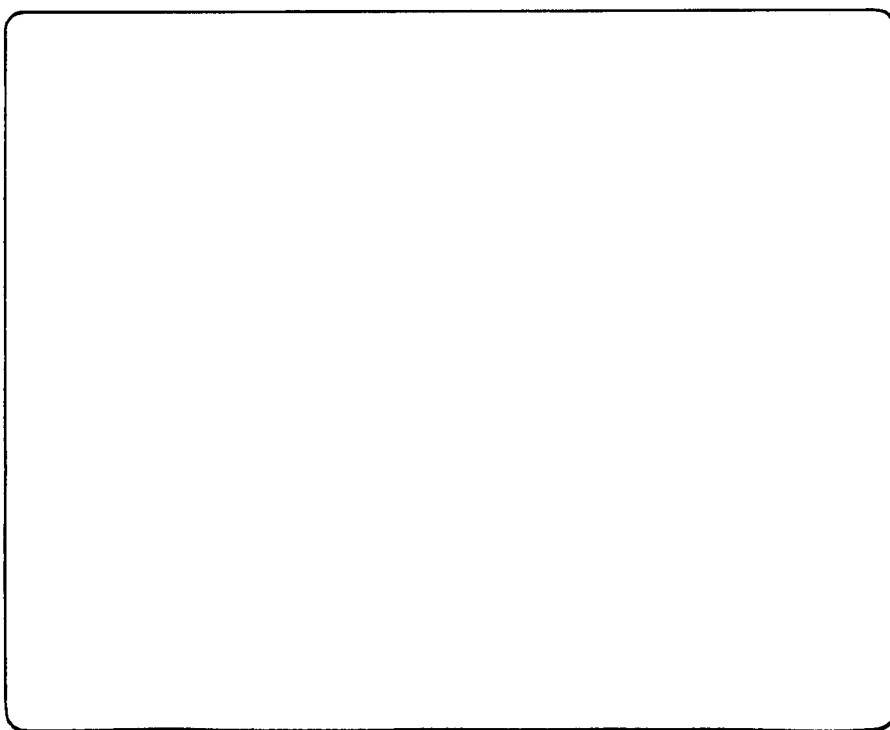
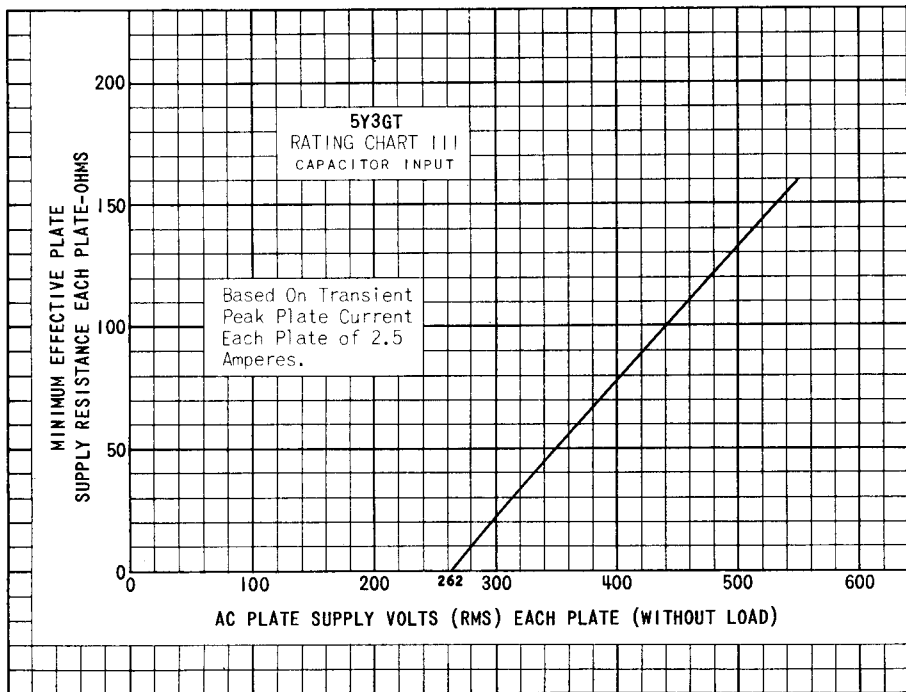
<sup>A</sup> SEE CHART #2<sup>B</sup> SEE CHART #3

SIMILAR TYPE REFERENCE: Electrically similar to 5Y4G and 80.

→ INDICATES A CHANGE.

# 5Y3GT (5Y4G, 80)





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