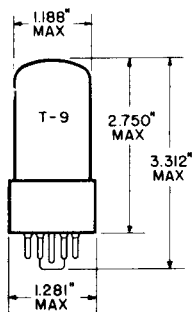


## TUNG-SOL

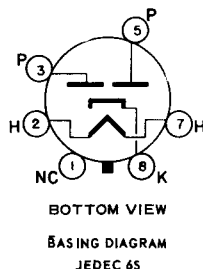
## FULL WAVE HIGH VACUUM RECTIFIER



GLASS BULB  
INTERMEDIATE SHELL  
6 PIN OCTAL BASE E6-8  
OUTLINE DRAWING  
JEDEC 9-11

## UNIPOTENTIAL CATHODE

FOR  
RECTIFIER SERVICE IN  
BATTERY OPERATED OR  
AC RECEIVERS



THE 6X5GT IS DESIGNED FOR SERVICE IN STORAGE BATTERY OR AC OPERATED RECEIVERS.

## HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	600	MA.
HEATER SUPPLY LIMITS:			
VOLTAGE OPERATION		6.3±0.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHODE			
DC		450	VOLTS
TOTAL DC AND PEAK		450	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE			
DC		100	VOLTS
TOTAL DC AND PEAK		200	VOLTS

## → MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PEAK INVERSE PLATE VOLTAGE		1250	VOLTS
STEADY-STATE PEAK PLATE CURRENT	(see rating chart 2)	245	MA.
TRANSIENT PEAK PLATE CURRENT PER PLATE	(see rating chart 3)	1.1	AMP.
DC OUTPUT CURRENT PER PLATE	(see rating chart 1)		
AC PLATE VOLTAGE PER PLATE (RMS):			
CAPACITOR INPUT	(see rating chart 1)		
CHOKE INPUT	(see rating chart 1)		
VIBRATOR OPERATION (MIN. DUTY CYCLE OF 75%):			
DC OUTPUT VOLTAGE AT FILTER INPUT		350	VOLTS
DC OUTPUT CURRENT PER PLATE		45	MA.

**TUNG-SOL**

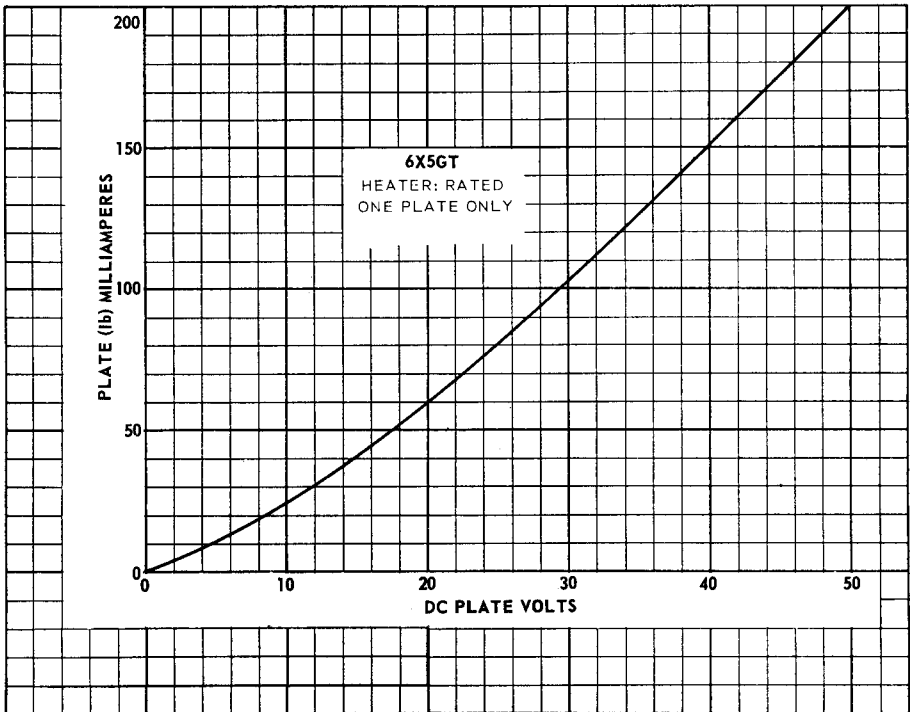
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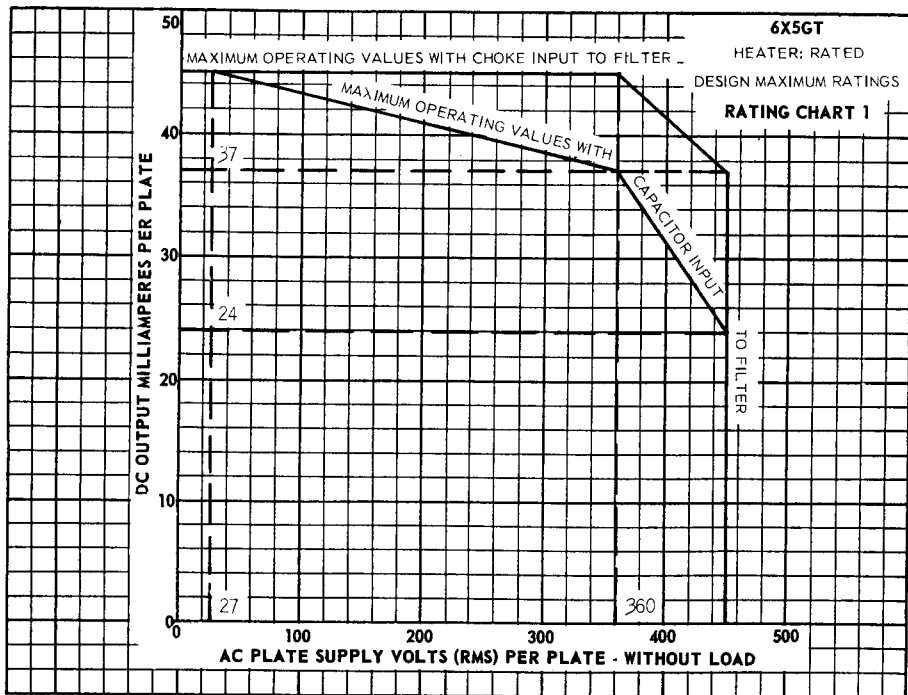
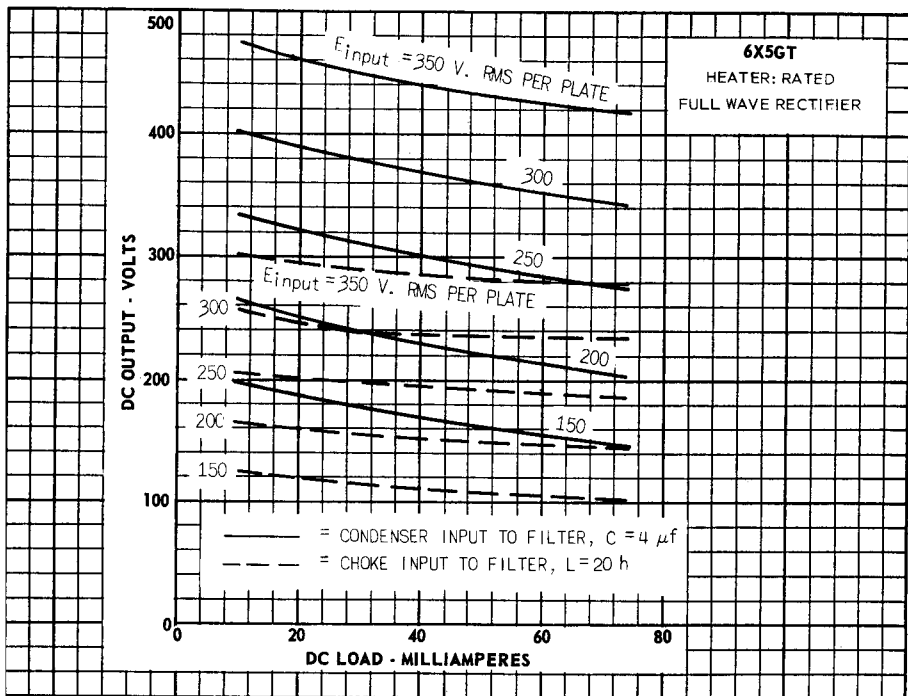
→ **TYPICAL OPERATING CHARACTERISTICS**  
**FULL-WAVE RECTIFIER**

	SINE-WAVE OPERATION	VIBRATOR OPERATION	
<b>CAPACITOR INPUT TO FILTER:</b>			
AC PLATE VOLTAGE PER PLATE (RMS, NO LOAD)	325	----	VOLTS
INPUT CAPACITOR	10	10	μf
TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE PER PLATE	525	----	OHMS
DC OUTPUT CURRENT	70	70	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT (APPROX.)	310	240	VOLTS
<b>CHOKE INPUT TO FILTER:</b>			
AC PLATE VOLTAGE PER PLATE (RMS, NO LOAD)	400	----	VOLTS
INPUT CHOKE	10	----	HENRYS
DC OUTPUT CURRENT	70	----	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT (APPROX.)	340	----	VOLTS
TUBE VOLTAGE DROP AT 70 MA. PER PLATE	22	----	VOLTS

A  
 WHEN THE HEATER IS OPERATED IN AUTOMOTIVE SERVICE FROM A 6-VOLT BATTERY SOURCE, THE PERMISSIBLE RANGE IN HEATER VOLTAGE IS FROM 5.0 TO 8.0 VOLTS.

→ INDICATES A CHANGE.





# 6X5GT

