

TYPE 6X5GT

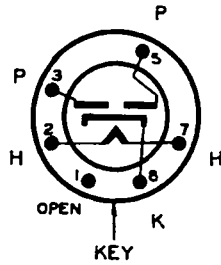


HYTRON BANTAM

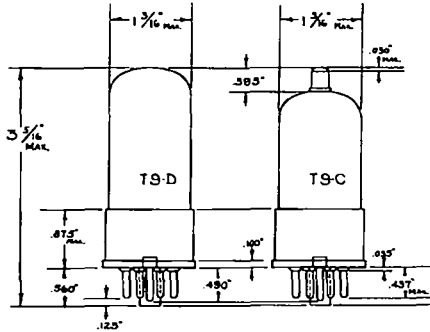
GENERAL DESCRIPTION

Application: The Hytron 6X5GT is a cathode type rectifier designed particularly for use in automobile receivers. The 6X5GT is a glass tube with a small octal base and may be used interchangeably with the Hytron 6X5G glass tube.

Physical Characteristics: Bulb T-9D



Bottom View



RATING AND CHARACTERISTICS

Heater:
 Voltage 6.3 Volts AC or DC
 Current 0.6 Ampere

Note: Voltage between heater and cathode should not exceed 500 volts DC.

FULL-WAVE OPERATION

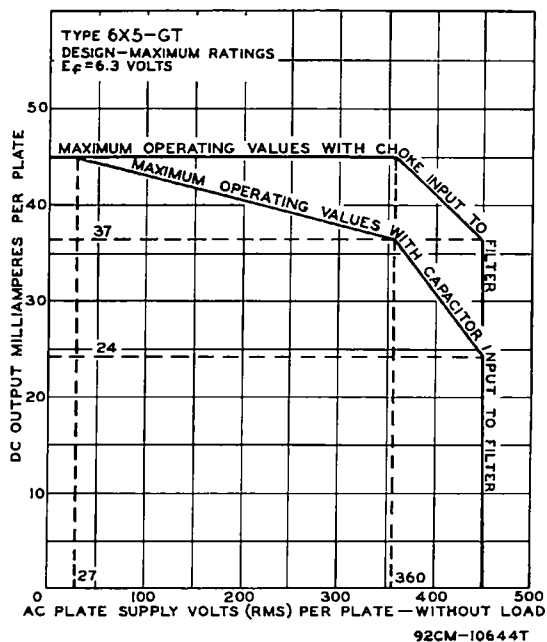
AC Plate Voltage (RMS per plate)	350	Volts Max.
Load Current	75	Milliamperes Max.

from RMA release #134, April 11, 1938

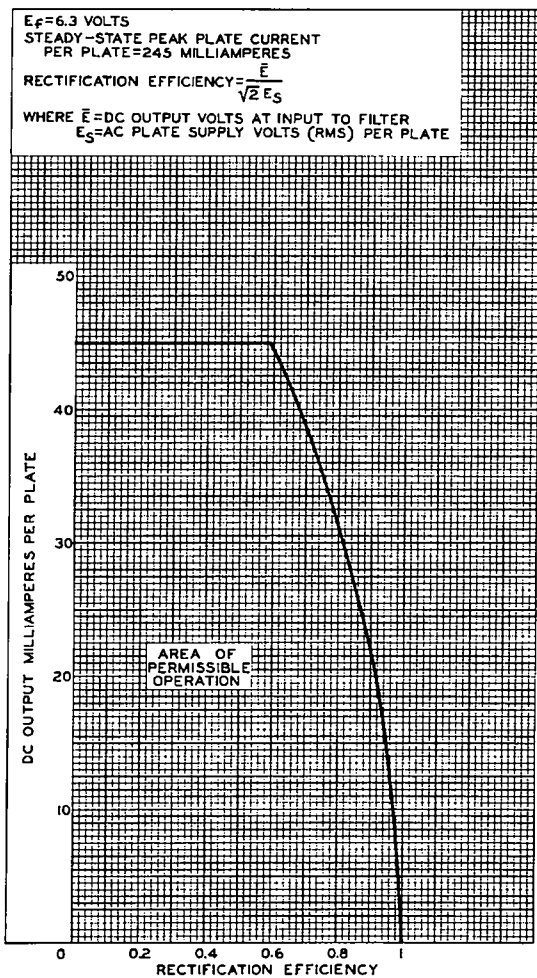
Type 6X5GT

<u>ITEM</u>	<u>AS REGISTERED</u>	<u>AS PROPOSED</u>	
Reference is made to RMA Data Sheet for Type 6X5GT/6X5G dated Oct. 10, 1940	On Basis of Design-Center Rating System	On Basis of Design-Maximum Rating System	
<u>Under Ratings</u>			
Heater Voltage (ac or dc)	6.3	6.3 ± 10% *	volts
Heater Current at 6.3 volts	0.6	0.6	amp
Maximum DC Heater to Cathode Potential	450	delete	volts
Heater-Cathode Voltage: Heater negative with respect to cathode:			
DC	-	450 max.	volts
Total DC and Peak	-	450 max.	volts
Heater positive with respect to cathode:			
DC	-	100 max.	volts
Total DC and Peak	-	200 max.	volts
Maximum Peak Inverse Plate Voltage	1250	1250	volts
Maximum Steady-State Peak Plate Current per Plate	210	245 See Rating Chart II	ma
Maximum Transient Peak Plate Current per Plate	-	1.1 See Rating Chart III	amp
Maximum DC Output Current per Plate	-	See Rating Chart I	
Maximum A.C. Plate Voltage per Plate (RMS):			
Capacitor Input	325	See Rating Chart I	volts
Choke Input	450	See Rating Chart I	volts
<u>Vibrator Operation (Min. duty cycle of 75%):</u>			
Maximum DC Output Volt- age at Filter Input	-	350	volts
Maximum DC Output Cur- rent per Plate	-	45	ma

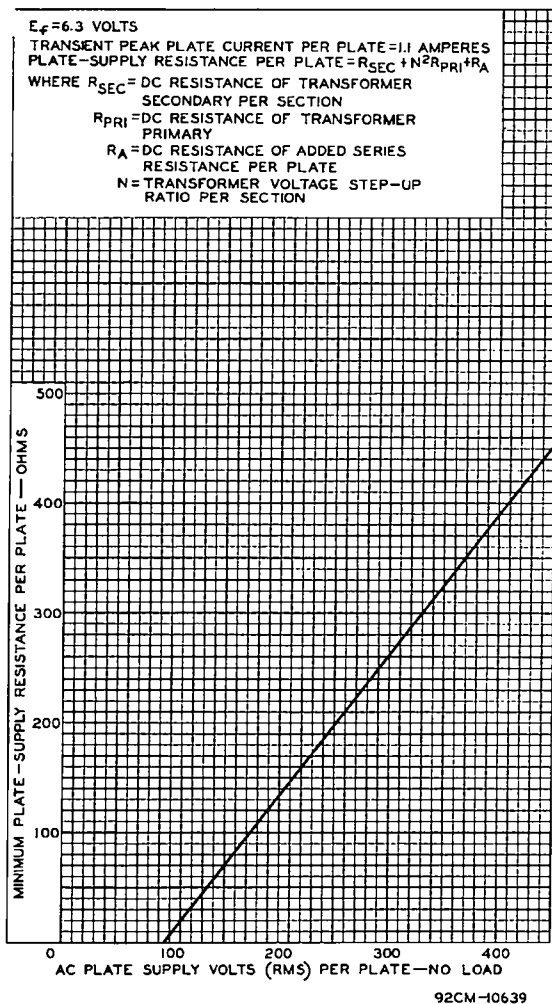
* When the heater is operated in automotive service from a 6-volt battery source, the permissible range in heater voltage is from 5.0 to 8.0 volts



Type 6X5-GT: Rating Chart I.



Type 6X5-GT: Rating Chart II.



Type 6X5-GT: Rating Chart III.