

*Excellence in Electronics*

The 6X5WGT is a heater-cathode type, high-vacuum double diode designed for use as a full-wave power rectifier in equipment of moderate current requirements. It is designed for dependable operation under conditions of shock and vibration usually found in mobile and aircraft applications.

MECHANICAL DATAENVELOPE: T-9 GlassBASE: Intermediate or Short Intermediate Shell Octal 6-PinTERMINAL CONNECTIONS:

Pin 1 No Connection	Pin 5 Plate #1
Pin 2 Heater	Pin 7 Heater
Pin 3 Plate #2	Pin 8 Cathode

MOUNTING POSITION: Any**ELECTRICAL DATA**HEATER CHARACTERISTICS:

Heater Voltage (ac or dc)
Heater Current
Heater-Cathode Voltage

6.3 volts
0.6 amp.
450 volts

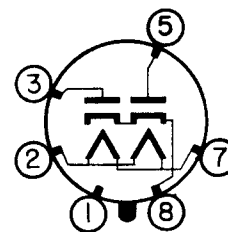
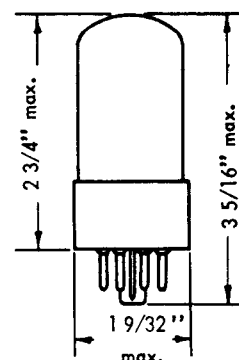
DESIGN CENTER MAXIMUM RATINGS:

Peak Inverse Plate Voltage
Peak Plate Current per Plate
DC Output Current

1250 volts
210 ma.
70 ma.

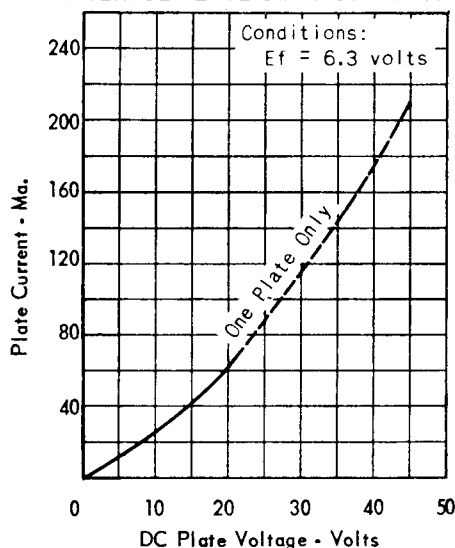
CHARACTERISTICS AND TYPICAL OPERATION - FULL-WAVE RECTIFIER:

	Choke Input	Condenser Input
AC Plate Voltage, per Plate (RMS)	450	325 volts
Min. Total Effective Plate Supply Impedance, per Plate		150 ohms
Filter Input Condenser		4 μ fd.
Filter Input Choke	8	henries
DC Output Current	70	70 ma.
DC Voltage at Input to Filter (approx.)		
At 35 ma. load.	385	405 volts
At 70 ma. load.	380	370 volts
Regulation	5	35 volts
Tube Voltage Drop at 70 ma. per plate	22	



BOTTOM VIEW

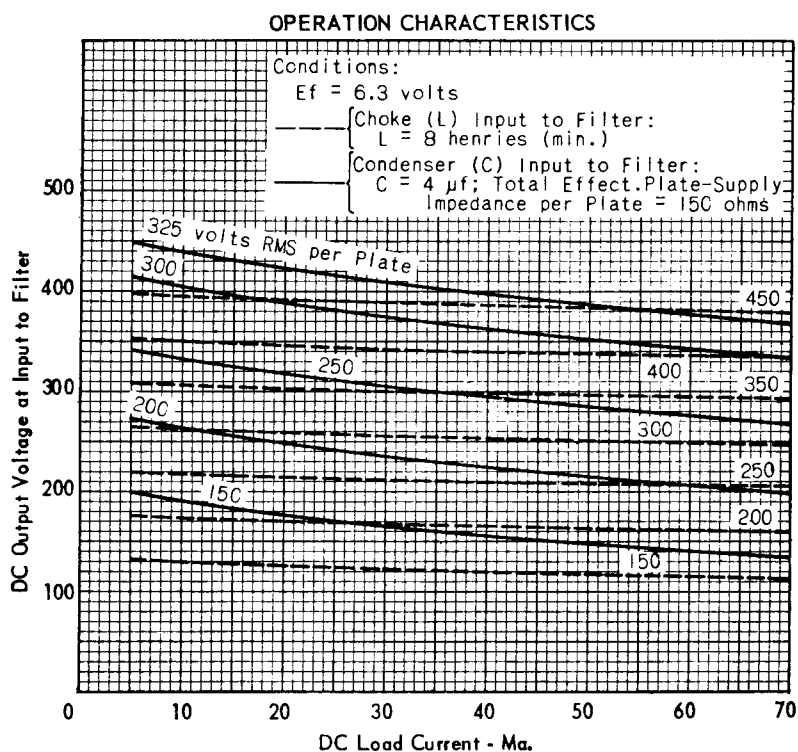
6S

AVERAGE PLATE CHARACTERISTICS

Tentative Data



DOUBLE DIODE



RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS