



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 DATA

ENVELOPE: T-9 Glass

BASE: Intermediate or Short Intermediate Shell Octal 6-Pin

TERMINAL CONNECTIONS:

Pin 1 No Connection
Pin 2 Heater
Pin 3 Plate #2

Pin 5 Plate #1
Pin 7 Heater
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

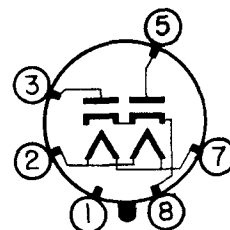
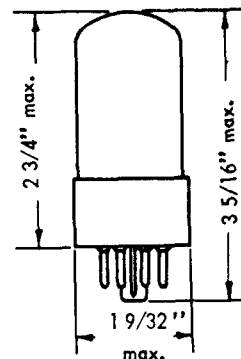
DESIGN CENTER MAXIMUM RATINGS:

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:

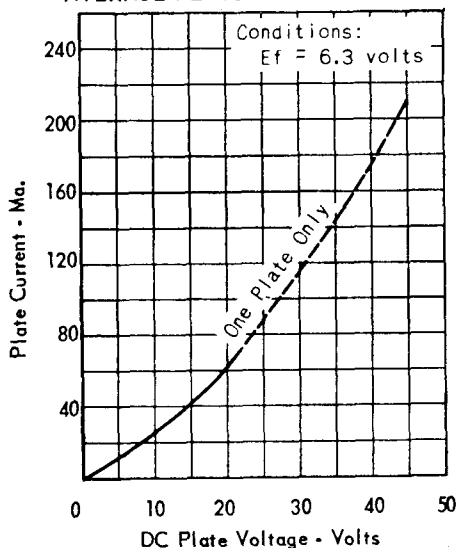
	Choke Input	Condenser Input
AC Plate Voltage, per Plate (RMS)	450	325 volts
Min. Total Effective Plate Supply Impedance, per Plate		150 ohms
Filter Input Condenser	8	4 μ fd.
Filter Input Choke	70	70 henries
DC Output Current		70 ma.
DC Voltage at Input to Filter (approx.)		
At 35 ma. load.	385	405 volts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



BOTTOM VIEW

6S

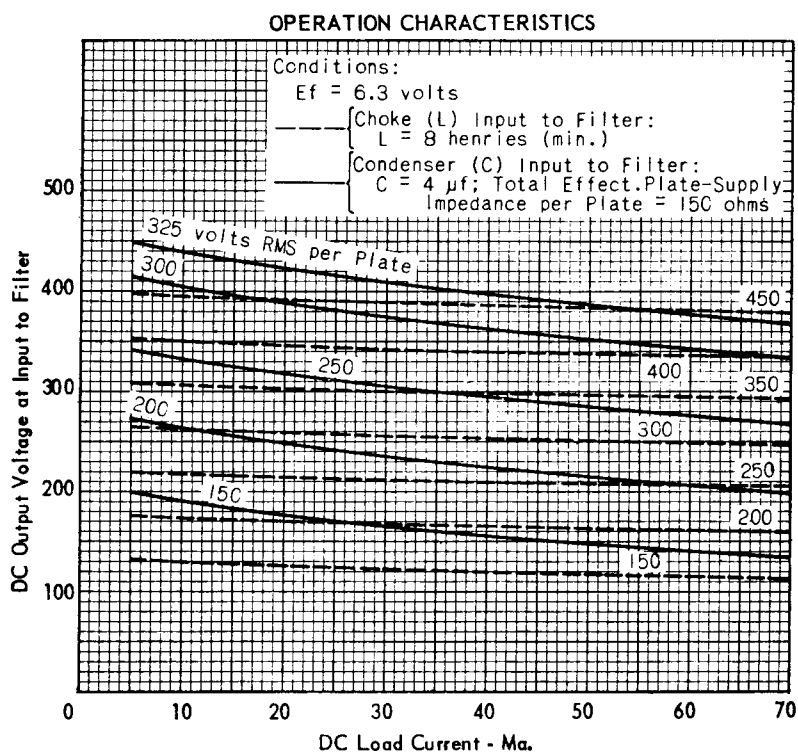
AVERAGE PLATE CHARACTERISTICS



Tentative Data



DOUBLE DIODE



RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS