

6AX5-GT

ea+2.C' **FULL-WAVE VACUUM RECTIFIER**

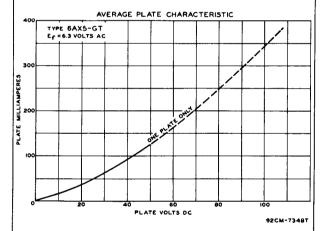
GENERAL DATA				
Electrical:				
Heater, for Unipotential Cathode: Voltage 6.3 ac v Current 1.2	olts amp			
Mechanical:				
Maximum Seated Length 2- Maximum Diameter	Any 5/16" -3/4" 1/32" T-9 5-Pin G-6S			
Pin 1-No Connection Pin 5-Plate of Diode No	. 1			
Pin 2-Heater Pin 7-Heater	,. <u>.</u>			
Pin 3-Plate of Diode No. 2 Pin 8-Cathode				
FULL-WAVE RECTIFIER				
Maximum Ratings, Design-Center Values:				
PEAK PLATE CURRENT PER PLATE				
Typical Operation with Capacitor-Input Filter:				
AC Plate-to-Plate Supply Voltage (RMS) 700 900 Filter-Input Capacitor 10 10 Effective Plate-Supply Impedance Per Plate . 50 105	volts µf ohms			
DC Output Voltage at Input to Filter (Approx.):				
1 At hall-hood cur. of 3	olts			
} .05	olts olts			
	olts.			
Voltage Regulation (Approx.): Half-load to full-load current . 45 50 v	olts			
Higher values of capacitance than indicated may be used but the effective plate supply impedance may have to be increased to preventex-ceeding the maximum rating for hot-switching transient plate current.				

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Typical Operation with (Choke-Input Filter:		
AC Plate-to-Plate Supply Voltage (RMS)		900	volts
Filter-Input Choke DC Output Voltage at Inp		10	henries
			1.
At half-load cur. of	75 ma. 270 62.5 ma. –	365	volts volts
At full-load cur. of	∫ 150 ma. 250 125 ma. —	- 350	volts volts
Voltage Regulation (Appr	ox.):		
Half-load to full-load	Current 20	15	volts



RATING CHART and OPERATION CHARACTERISTICS

The Rating Chart presents graphically the relationships between maximum ac voltage input and maximum dc output current derived from the fundamental ratings for conditions of capacitor-input and choke-input filters. This graphical presentation gives the equipment designer considerable latitude in choice of operating conditions.

The Operation Characteristics for Full-Nave Circuit with Capacitor-Input Filter show not only the typical operating curves for such a circuit, but also show by means of boundary lines "ADK" the limiting current and voltage relationships presented on the Rating Chart.

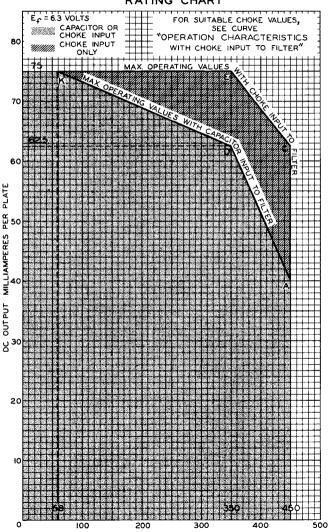
FULL-WAVE VACUUM RECTIFIER

The Oberation Characteristics for Full-Wave Circuit with Choke-Input Filter show the typical operating curves for such a circuit. They not only show by means of boundary line "CEK" the limiting current and voltage relationships presented on the Rating Chart, but also give information as to the effect on regulation of various sizes of chokes. The solid-line curves show the dc voltage outputs which would be obtained if the filter chokes had infinite inductance. The long-dash lines radiating from the zero position are boundary lines for various sizes of chokes as indicated. The intersection of one of these lines with a solid-line curve indicates the point on the curve at which the choke no longer behaves as though it has infinite inductance. To the left of the choke boundary line, the regulation curves depart from the solid-line curves as shown by the representative short-dash regulation curves.

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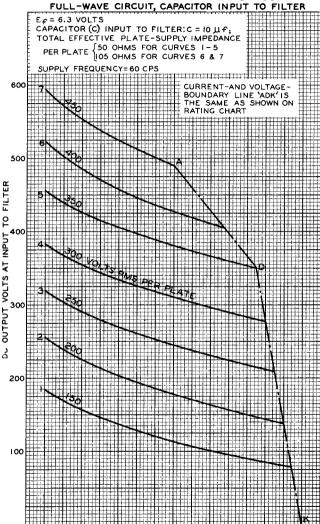
RATING CHART





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OPERATION CHARACTERISTICS

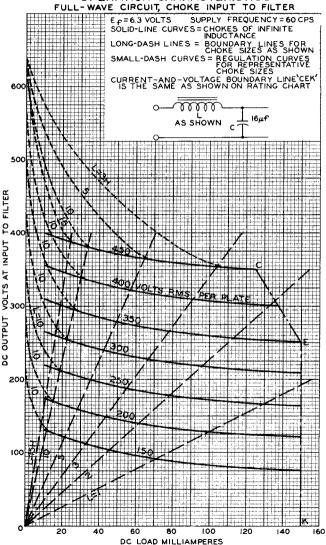


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DC LOAD

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OPERATION CHARACTERISTICS



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