



12Z3



12Z3

# HALF-WAVE HIGH-VACUUM RECTIFIER

Heater*	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.3	amp.
Maximum Overall Length		4-3/16"
Maximum Diameter		1-9/16"
Bulb		ST-12
Base		Small 4-Pin
Pin 1 - Heater		Pin 3 - Cathode
Pin 2 - Plate		Pin 4 - Heater
Mounting Position	BOTTOM VIEW (4G)	Any

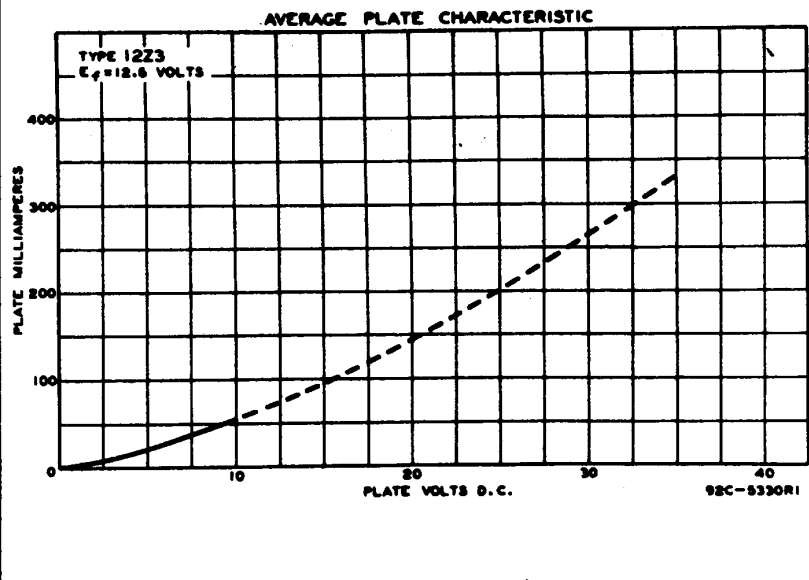


## HALF-WAVE RECTIFIER

Peak Inverse Voltage	700 max. volts	
Peak Plate Current	330 max. ma.	
D-C Heater-Cathode Potential	350 max. volts	
<i>Typical Operation with Condenser-Input Filter:</i>		
A-C Plate Voltage (RMS)	117      150	235 max. volts
Total Effective Plate-Supply Impedance <sup>Δ</sup>	0 min.    30 min.    75 min.	ohms
D-C Output Current	55 max.    55 max.    55 max.	ma.

<sup>Δ</sup> When a filter-input condenser larger than 40 μf is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.

\* Under no condition of operation should the normal operating heater voltage of 12.6 volts ever fluctuate to exceed a maximum of 15 volts.



FEB. 2, 1940

RCA RADIOTRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

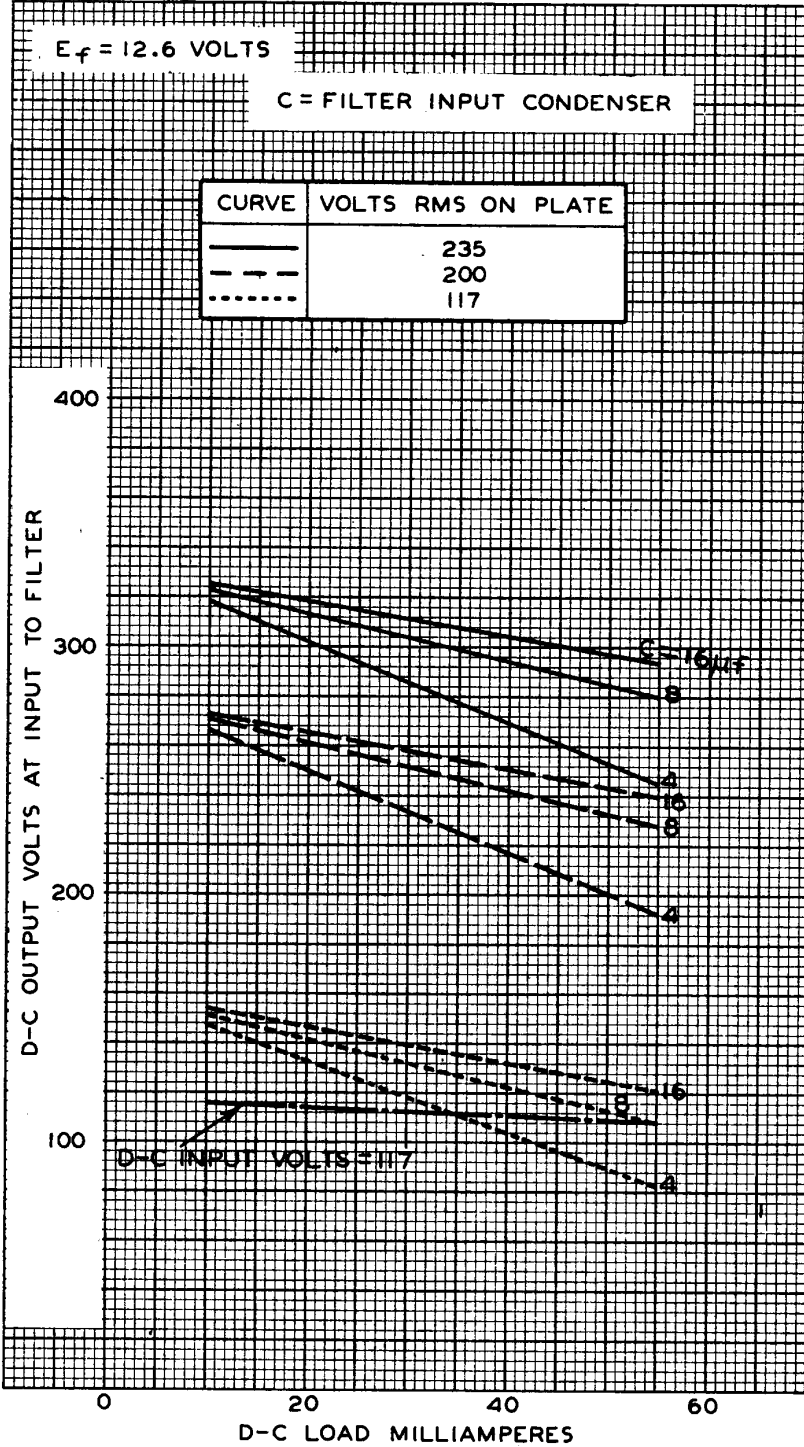
DATA

12Z3



12Z3

### OPERATION CHARACTERISTICS



NOV. 27, 1939

RCA RADIONRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

92C-5361R1