



12Z3



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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	Any	



BOTTOM VIEW (4G)

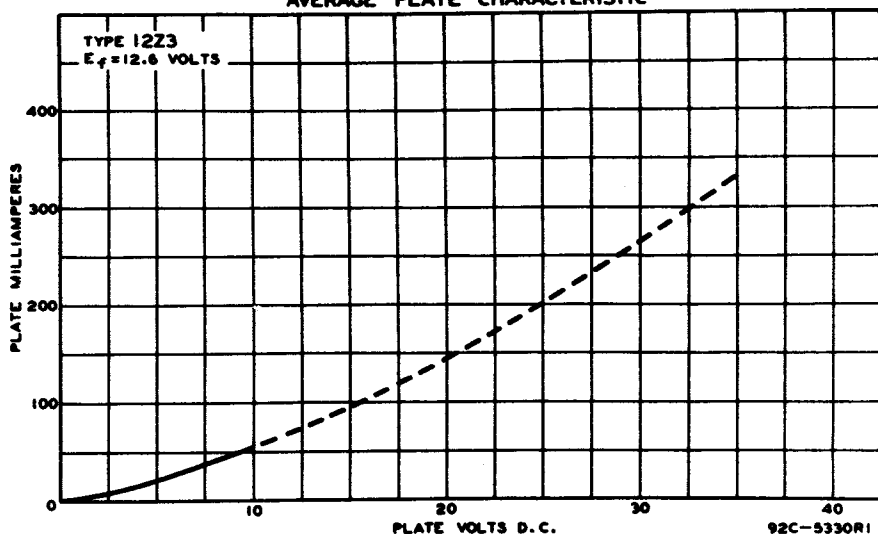
HALF-WAVE RECTIFIER

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 ^Δ	0 min. 30 min. 75 min. ohms
D-C Output Current	55 max. 55 max. 55 max. ma.

^Δ When a filter-input condenser larger than 40 μ f 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.

AVERAGE PLATE CHARACTERISTIC



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OPERATION CHARACTERISTICS

 $E_f = 12.6$ VOLTS

C = FILTER INPUT CONDENSER

CURVE	VOLTS RMS ON PLATE
—	235
- - -	200
· · ·	117

