



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



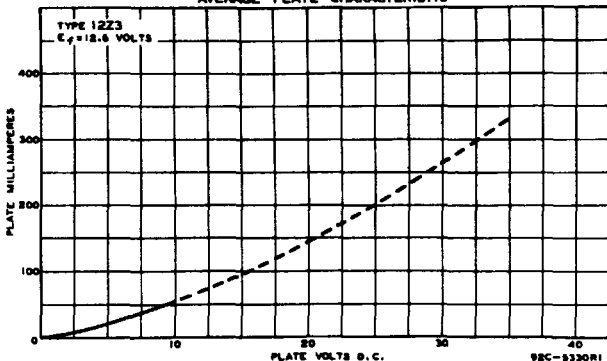
BOTTOM VIEW (4G)

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

