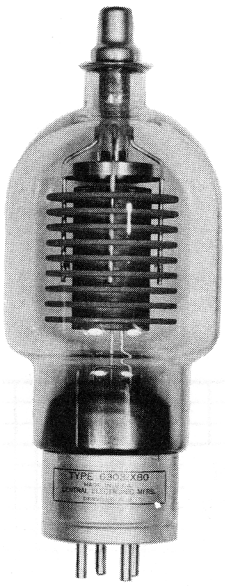
Central ELECTRONIC
MANUFACTURERS
DENVILLE, NEW JERSEY

HIGH VACUUM DIODE TYPE
6303/X-80

HIGH VACUUM DIODE

DESCRIPTION

The Central 6303/X-80 was designed for rectifier and clipper diode applications. It is a rugged, high vacuum diode with high emission capabilities, desirable where high inverse voltages and ambient temperatures preclude the use of gas filled or mercury vapor tubes.



SPECIFICATIONS:

PHYSICAL

Length (max.)	9¾ inches
Diameter (max.)	3⅝ inches
Cap	.566 inches dia.
Base	A4-18 Super Jumbo 4 Pin Bayonet
Mounting Position	Vertical, Base Down
Weight	10 Ounces
Type of Cooling	Radiation (1)

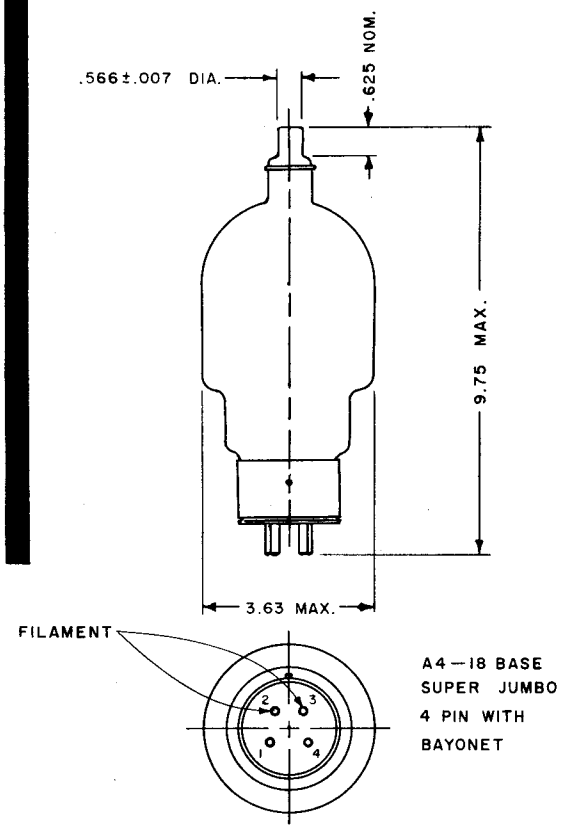
(1) Mount the tube so that forced air at the rate of 50 cfm is directed downward on the tube when operating at 60% of full rating. Maximum anode temperature 800°C. Anode dissipation 550 watts. Connect the base shell and unused pins externally to one filament terminal.

ELECTRICAL (RECTIFIER)

Filament	Bonded Thoria Tungsten
Filament Voltage	11.5 Volts
Filament Current	15.25 Amperes
Peak Inverse Voltage (max.)	40,000 Volts
Peak Anode Current (max.)	2.5 Amperes
Average Plate Current (max.)	0.700 Amperes

ELECTRICAL (CLIPPER)

Filament	12.2 Volts
Filament Current	15.5 Amperes
Peak Inverse Voltage (max.)	33,000 Volts
Peak Anode Current (max.)	50 Amperes
RMS Anode Current	1.25 Amperes



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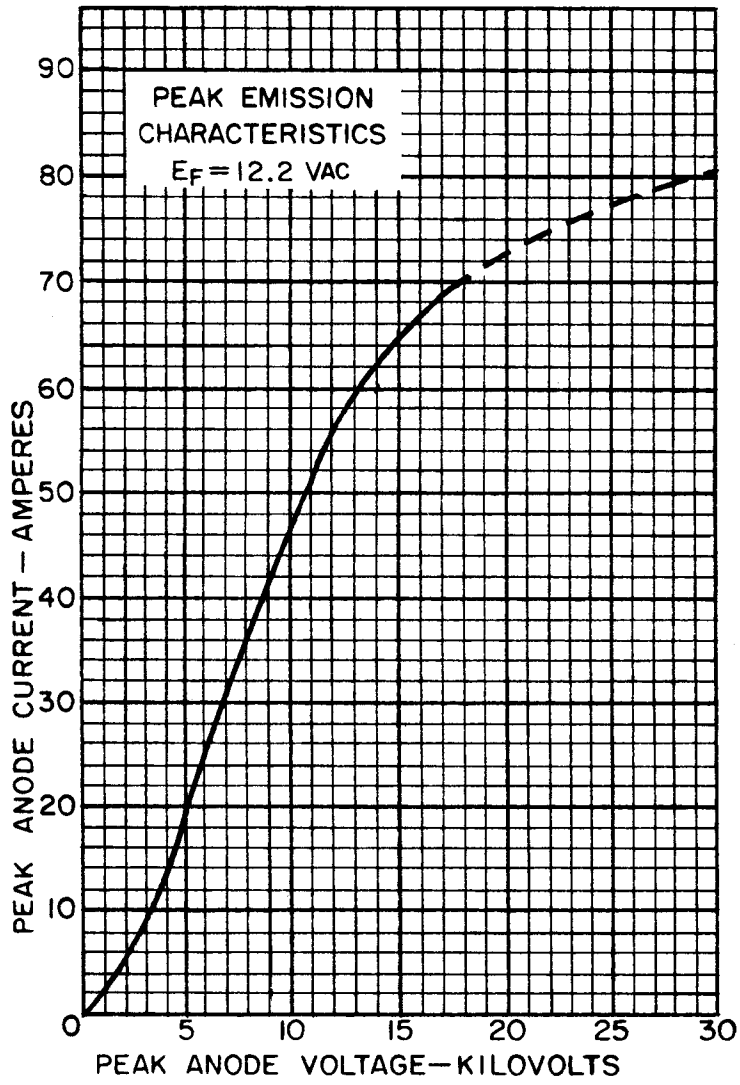

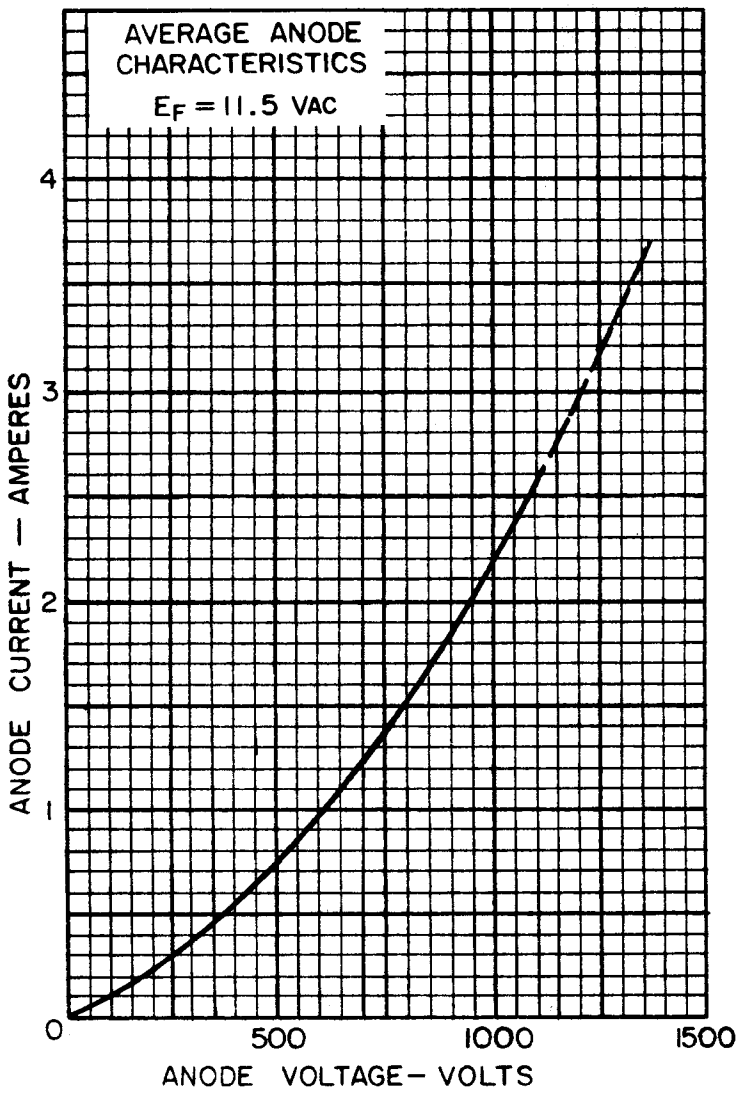

WARNING FOR POSSIBLE X-RAY GENERATION
See Safety Code for the Industrial Use of X-Rays published by the American Standards Association.

DIVISION OF NUCLEAR CORPORATION OF AMERICA

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