Westinghouse

7658

September 15, 1960

HIGH VACUUM RECTIFIER TYPE 7658

The type 7658 is a high-voltage, vacuum rectifier designed for service in oil-immersed applications. It features a thoriated-tungsten filament in a helical design, to minimize risk of breakage, withstand electric field forces better, reduce anode-to-filament spacing for higher efficency and permit more tolerance in permissable filament voltage variations.

ELECTRICAL:

Cathode	Thoriated Tungsten Filament			
Filament:	Min.	Bogey	Max.	
Voltage	3.6	4.0	4.4	Volts
Current	--	6.8	--	Amperes
Heating Time	2	--	--	Seconds

MECHANICAL:

Type of Cooling (Note 1)	Oil Immersion
Mounting Position	Any
Net Weight	8 Ounces
Shipping Weight	4 Pounds

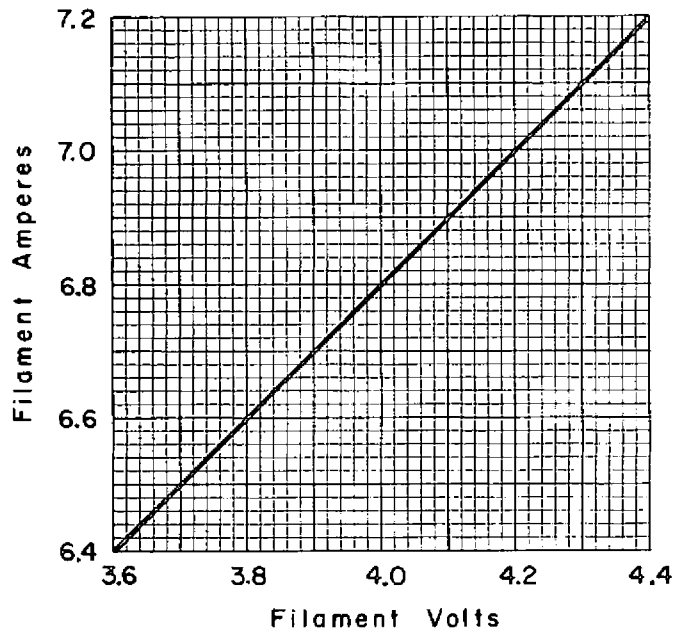
MAXIMUM RATINGS:

Absolute Maximum Values

Peak Inverse Anode Voltage	125 max.	Kilovolts
Anode Current:		
Peak	750 max.	Ma.
Average	150 max.	Ma.

1. The dielectric value of the cooling oil must not be less than 250 KV peak per inch.

AVERAGE FILAMENT-CURRENT CHARACTERISTIC



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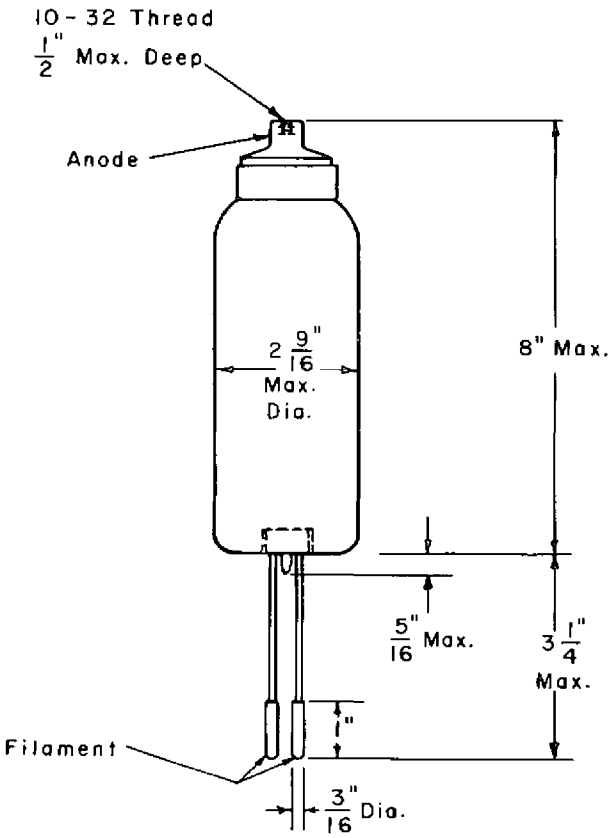
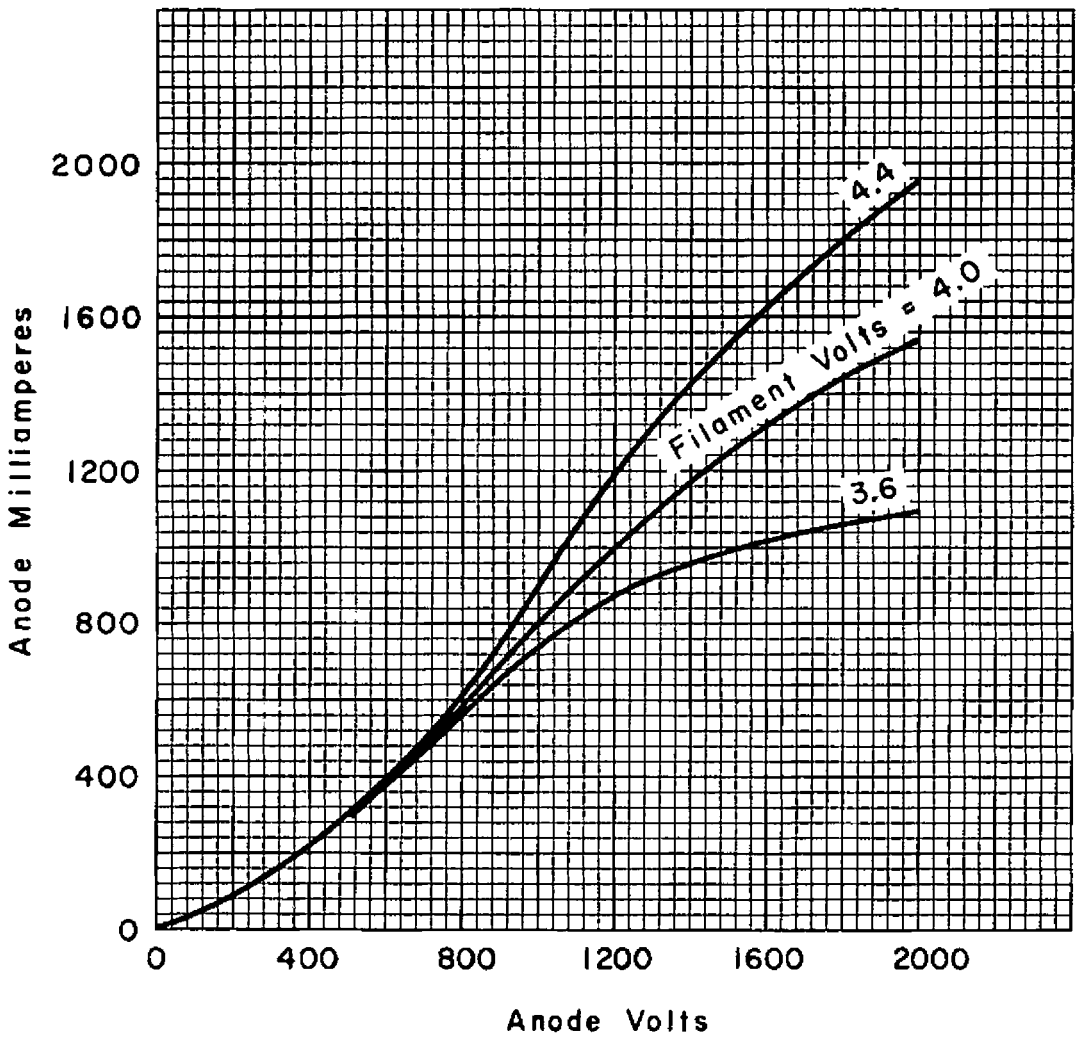


High Vacuum Rectifier Section

WESTINGHOUSE ELECTRIC CORPORATION, ELECTRONIC TUBE DIVISION, ELMIRA, NEW YORK

from JEDEC release #3080, Dec. 18, 1960

AVERAGE ANODE CURRENT CHARACTERISTICS



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