

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 efficiency and permit more tolerance in permissible 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

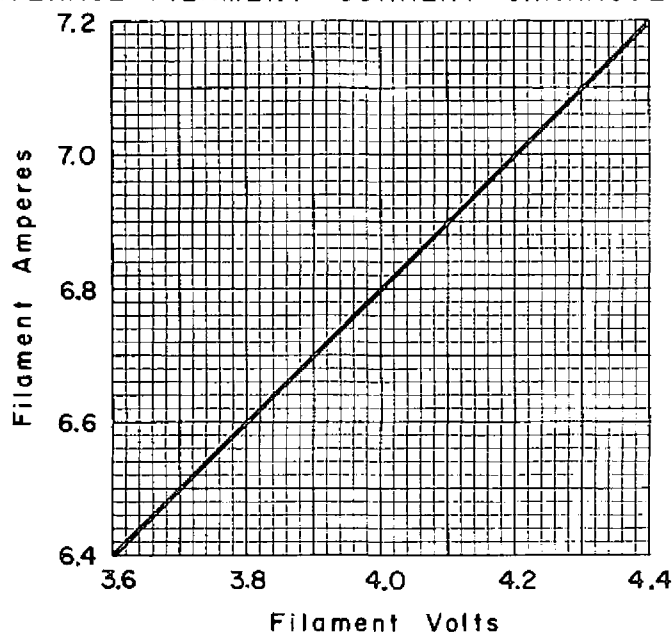
MAXIMUM RATINGS:

Absolute Maximum Values

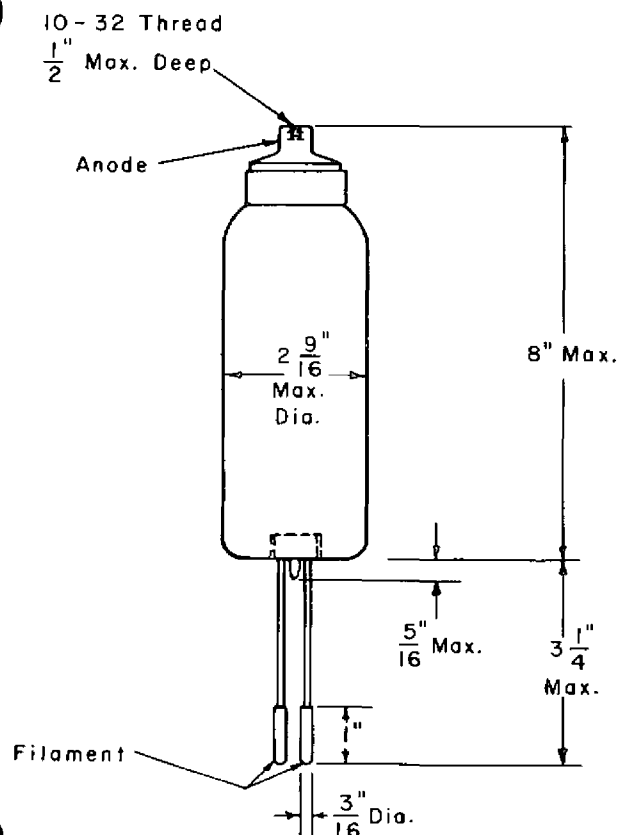
Peak Inverse Anode Voltage.....	125 max.	Kilovolts
Anode Current:		
Peak.....	750 max.	Ma.
Average.....	150 max.	Ma.

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

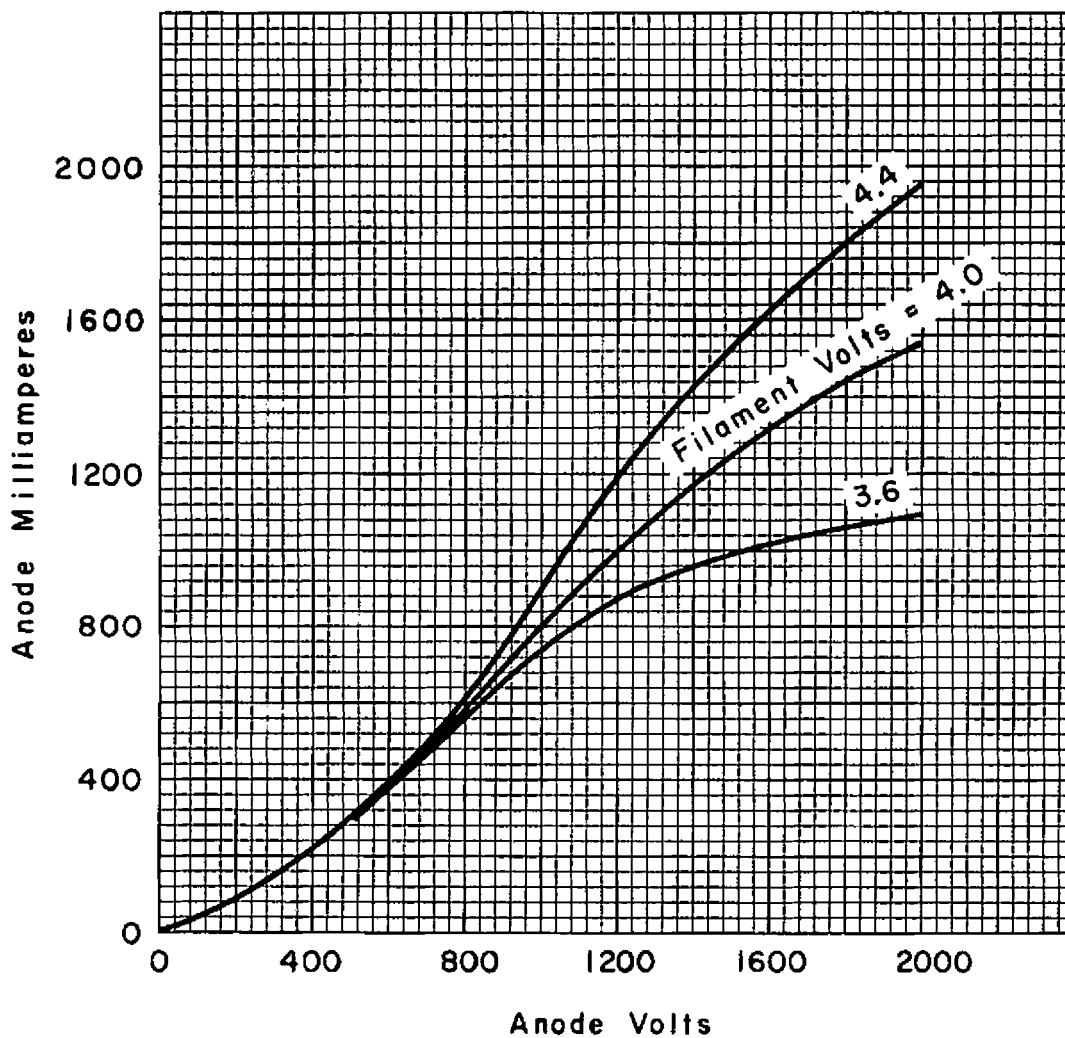
AVERAGE FILAMENT-CURRENT CHARACTERISTIC



CE-A1580



AVERAGE ANODE CURRENT CHARACTERISTICS



CE-A1579