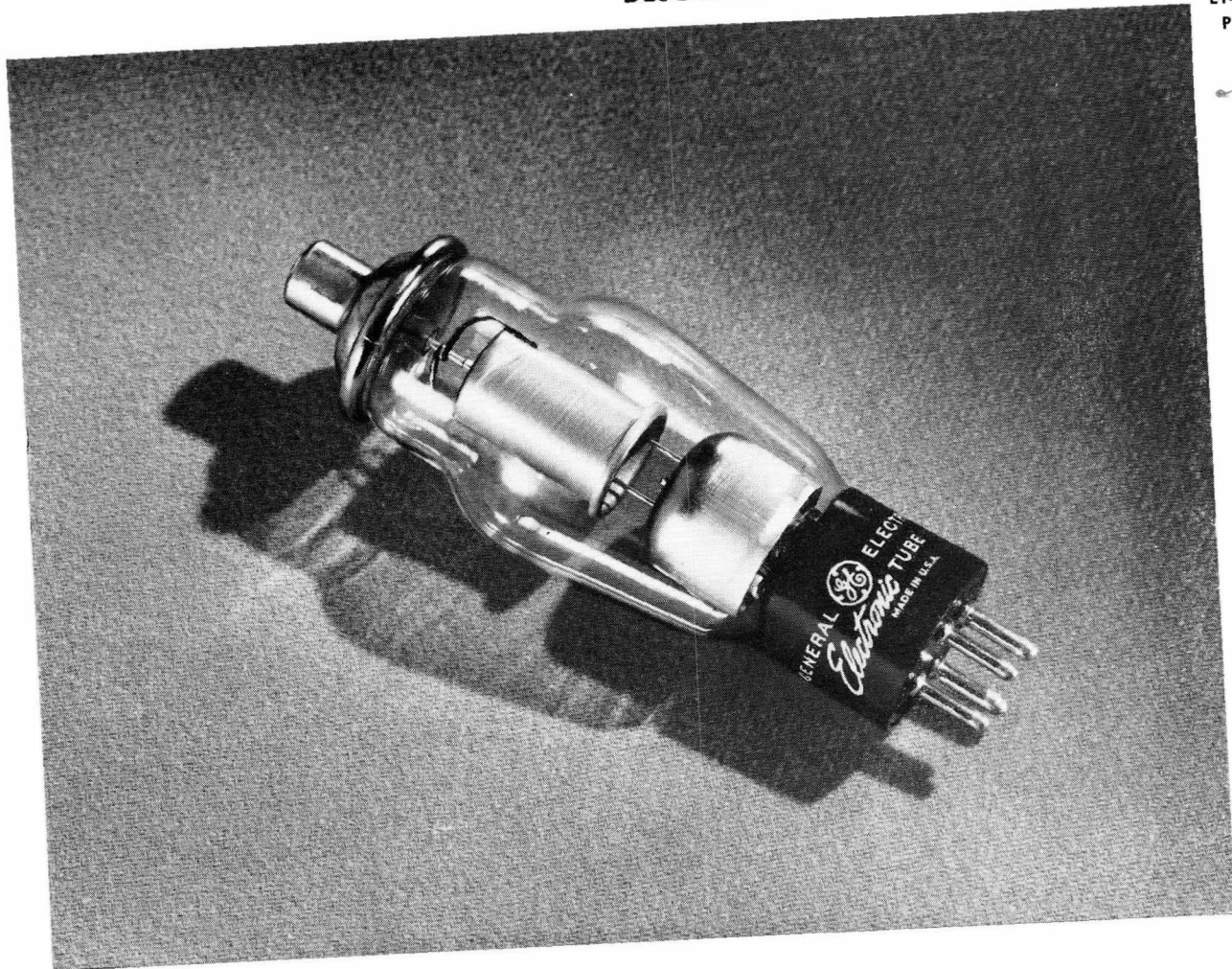




HIGH-VACUUM RECTIFIER

GL-8013-A is a half-wave, high-vacuum rectifier. A small capacitor across the output of the rectifier will ordinarily supply the filter. If a single-section

filter does not provide sufficient filtering, a two-section filter is recommended. The GL-8013-A may be used at voltages up to 40,000 volts peak inverse.

TECHNICAL INFORMATION

GENERAL

Number of Electrodes.....2

Electrical

Cathode—Thoriated Tungsten.....2.5 Volts
 Filament Voltage......5 Amperes
 Filament Current at 2.5 Volts.....5 Seconds
 Heating Time.....

Mechanical

Mounting Position—Vertical, Base Down
 Cap—Skirted Medium with Rolled Edge
 Base—Medium 4-Pin.....2.9 Ounces
 Net Weight, approximate.....

GENERAL  ELECTRIC

Supersedes ETX-205 dated 5-46

TECHNICAL INFORMATION (CONT'D)**MAXIMUM RATINGS, ABSOLUTE VALUES**

Maximum Peak Anode Voltage		
Forward.....	40,000*	Volts
Inverse.....	40,000*	Volts
Maximum Anode Current		
Peak.....	150	Milliamperes
Average.....	20	Milliamperes
Fault.....	500	Milliamperes
Plate Dissipation, maximum.....	12	Watts

* This value may be increased to 55,000 volts when the GL-8013-A is immersed in oil.

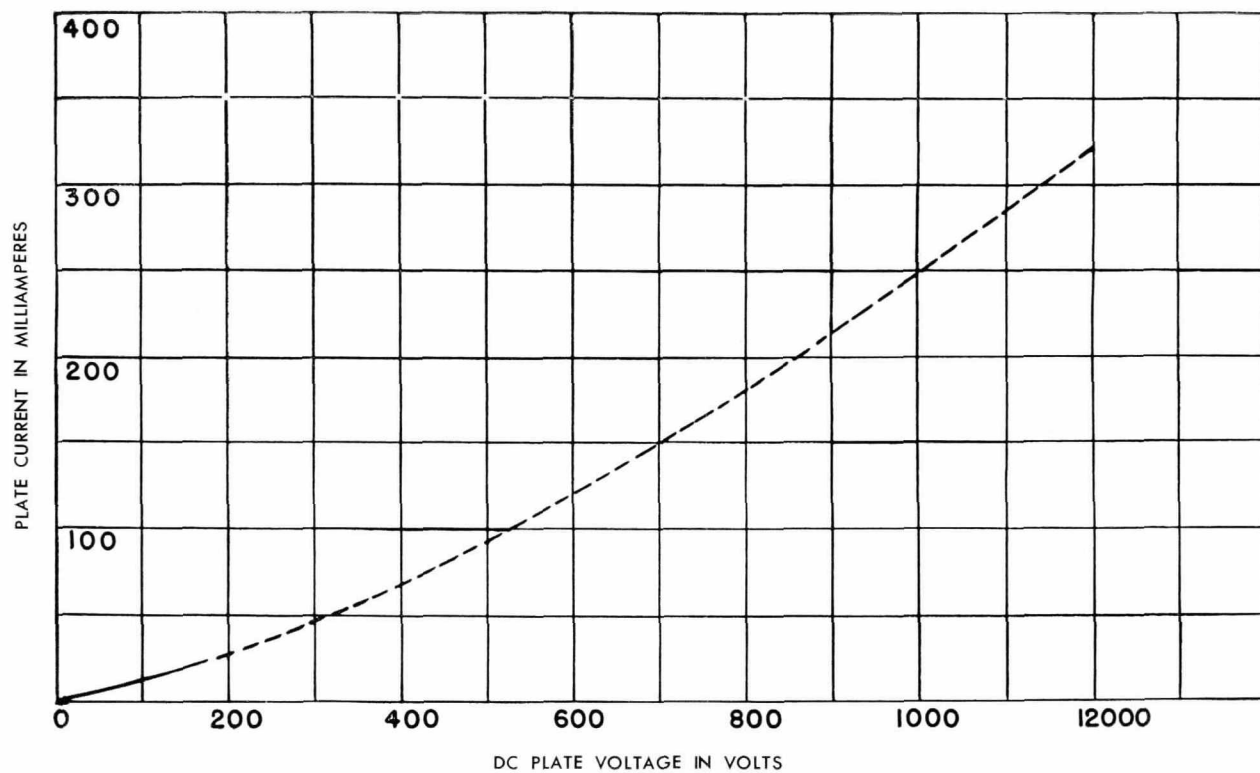
X-RAY WARNING NOTICE

If the GL-8013-A is operated at anode voltages in excess of 16 kilovolts, x-ray radiation shielding may be necessary to protect the user against possible danger of personal injury from prolonged exposure at close range. For further information consult the following references or other standard texts on the subject:

- (a) *X-Ray Protection Design*, Handbook No. 50. National Bureau of Standards, Washington, D.C.
- (b) *X-Ray Protection*, Handbook No. 60. National Bureau of Standards, Washington, D.C.

The above references are available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

AVERAGE PLATE CHARACTERISTIC

 $E_f = 2.5$ Volts AC

K-8639383

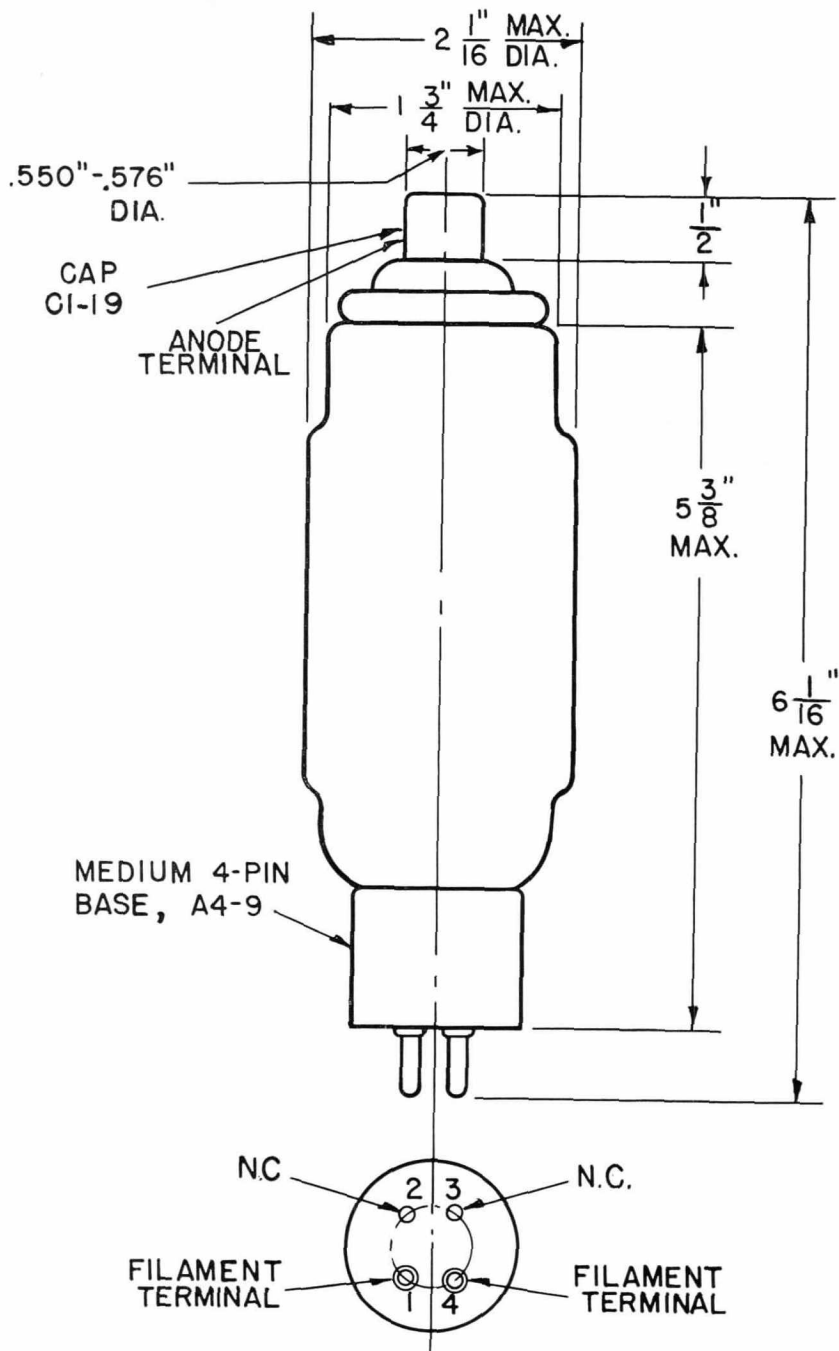
6-8-43

GL-8013-A

ET-T1304

PAGE 4

6-56



K-8639382

5-14-53

TUBE DEPARTMENT

GENERAL  ELECTRIC

Schenectady 5, N. Y.

PRINTED
IN
U.S.A.