



# KENOTRON

## DESCRIPTION

The FP-85-A is a high-vacuum rectifier that may be used at voltages as high as 20,000 volts peak inverse. This tube is particularly useful in applications which require high voltage and low current.

RECOMMENDED FOR REPLACEMENT ONLY—USE GL-8020 FOR NEW APPLICATIONS

## TECHNICAL INFORMATION

*These data are for reference only. For design information refer to specifications.*

### GENERAL CHARACTERISTICS

Number of electrodes . . . . . 2

#### Electrical

Cathode—Filamentary type, pure tungsten

Filament voltage . . . . . 10.0 volts

Filament current . . . . . 5.0 amperes

Voltage drop ( $I_b = 20$  milliamperes) . . . . . 90 volts

Interelectrode capacitance, plate-filament . . . . . 1.8 micromicrofarads

#### Mechanical

Base . . . . . 4102

Maximum over-all dimensions

Length . . . . . 8 inches

Diameter . . . . .  $2\frac{5}{8}$  inches

Net weight, approx. . . . .  $3\frac{1}{2}$  ounces

Shipping weight, approx. . . . . 3 pounds

Mounting position . . . . . vertical, with base down

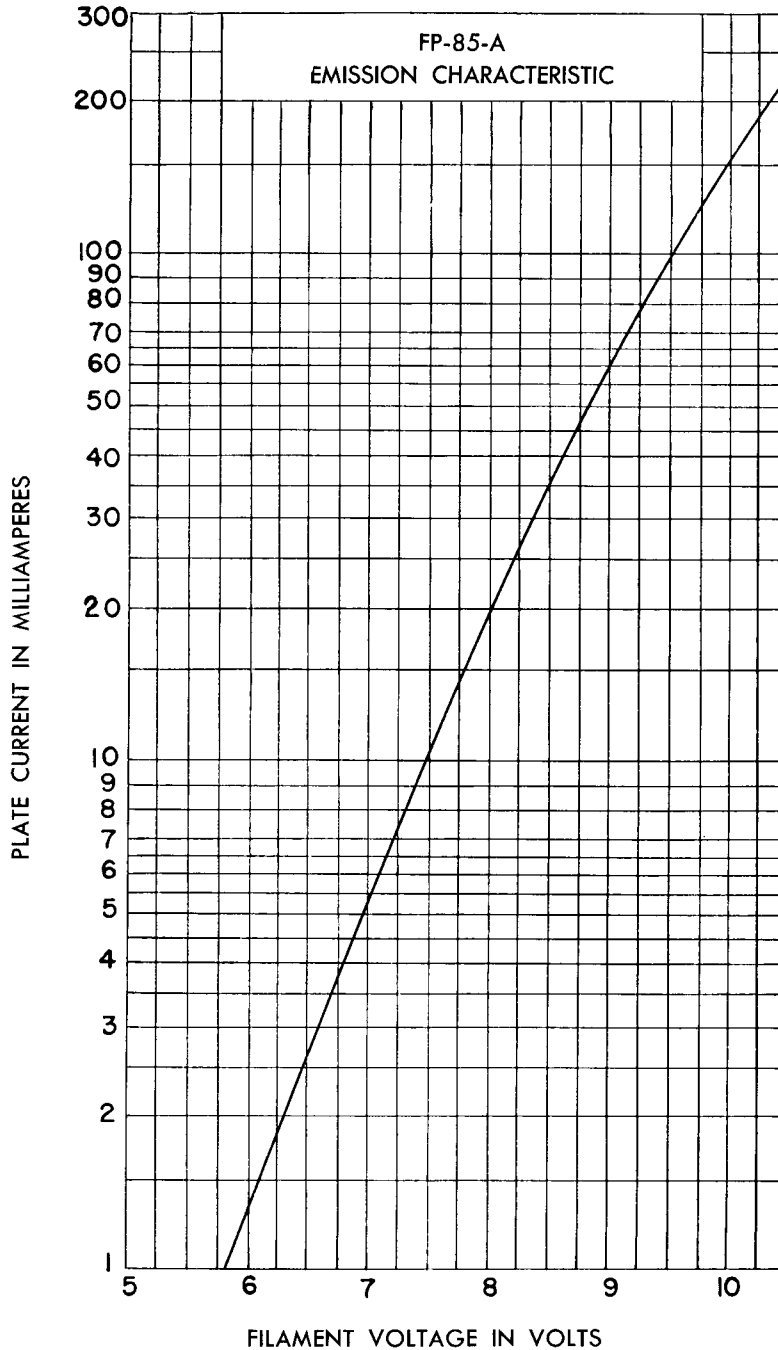


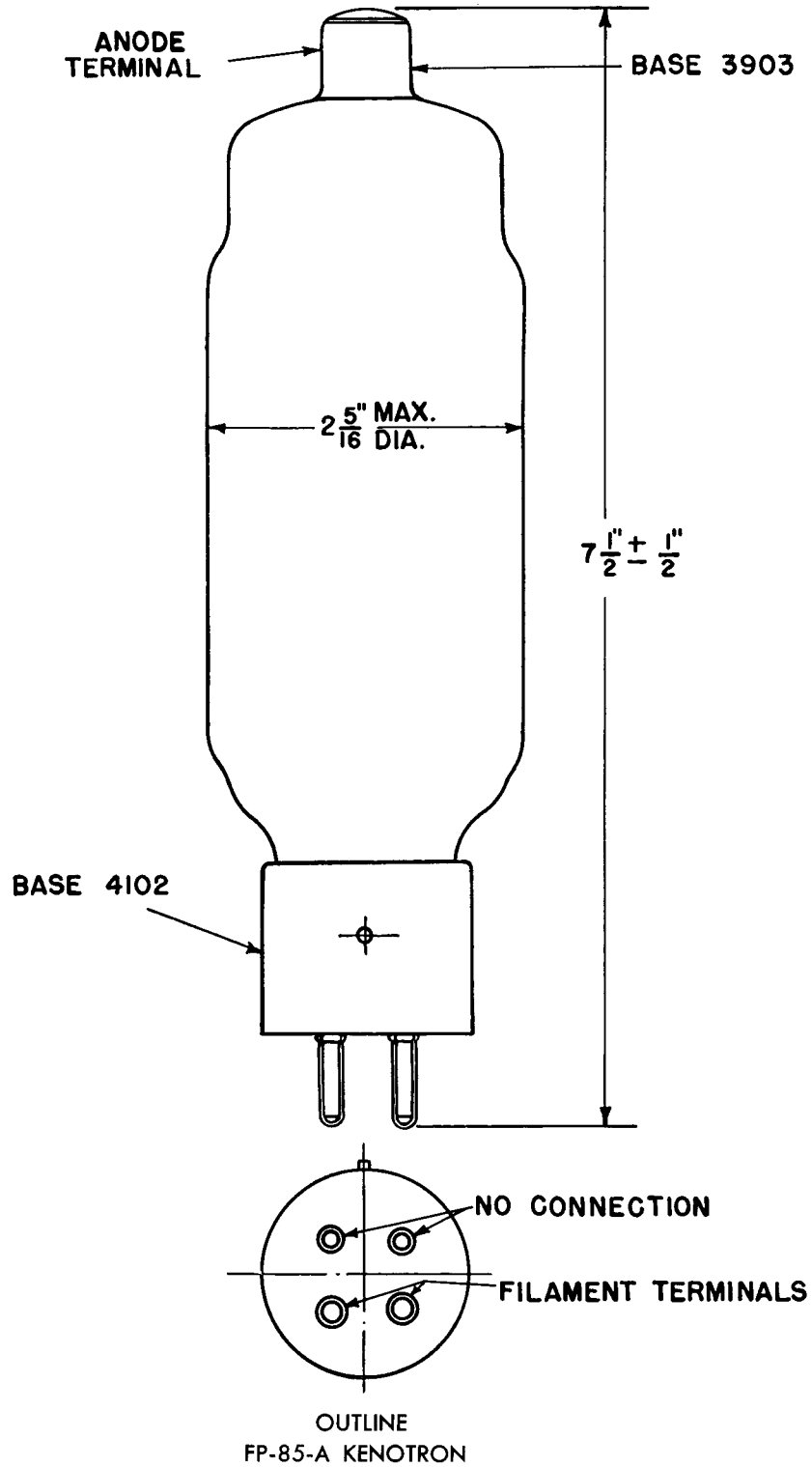
### TECHNICAL INFORMATION (CONT'D)

#### MAXIMUM RATINGS

**For Rectifier Service**

Maximum peak inverse voltage.....	20,000	volts
Maximum peak anode current.....	100	milliamperes
Average anode current.....	20	milliamperes
Maximum ambient temperature.....	60	centigrade





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**GENERAL  ELECTRIC**  
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