



# A207

## HIGH VACUUM RECTIFIER

Service Types CV2160, CV8051

To be read in conjunction with the Rectifier and Thyatron Preamble.

### DESCRIPTION

High vacuum half-wave rectifier.

### MAXIMUM RATINGS

Peak inverse anode voltage	45	kV max
Peak anode current	1.1	A max
Mean anode current	350	mA max
Anode dissipation	130	W max
Bulb temperature	200	°C max

### GENERAL DATA

#### Electrical

Filament		thoriated tungsten
Filament voltage	4.0	V
Filament current	12	A
Nominal impedance (at 300mA)	600	Ω

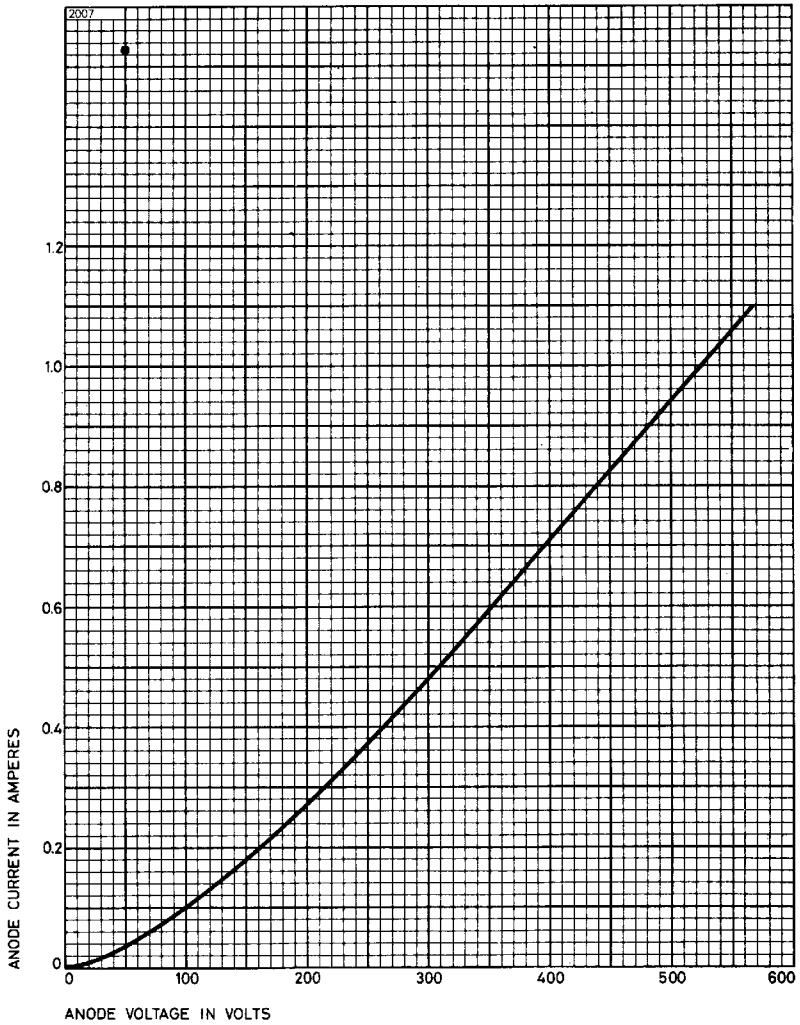
#### Mechanical

Overall length	9.842 inches (250mm) max
Overall diameter	2.362 inches (60mm) max
Net weight	11 ounces (310g) approx
Mounting position	vertical, base up or down
Base	Goliath Edison screw E40/45
Cooling	natural

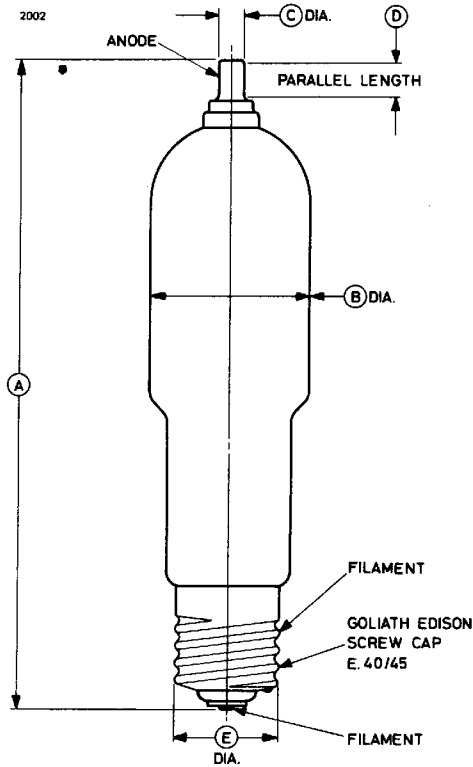
#### X-ray Warning

X-rays are emitted from the A207 if the peak inverse anode voltage exceeds 16kV. These rays can constitute a health hazard unless the tube is adequately shielded for X-ray radiation. This is entirely a function of high voltage devices and does not reflect upon the design of the tube.

# TYPICAL ANODE CHARACTERISTIC



# OUTLINE



Ref	Inches	Millimetres
A	9.842 max	250.0 max
B	2.362 max	60.0 max
C	0.375 ± 0.002	9.525 ± 0.051
D	0.500 min	12.70 min
E	1.531	38.89

Millimetre dimensions have been derived from inches.