



The BD10 is a mercury-vapour hot-cathode rectifier.

### RATINGS—Absolute values

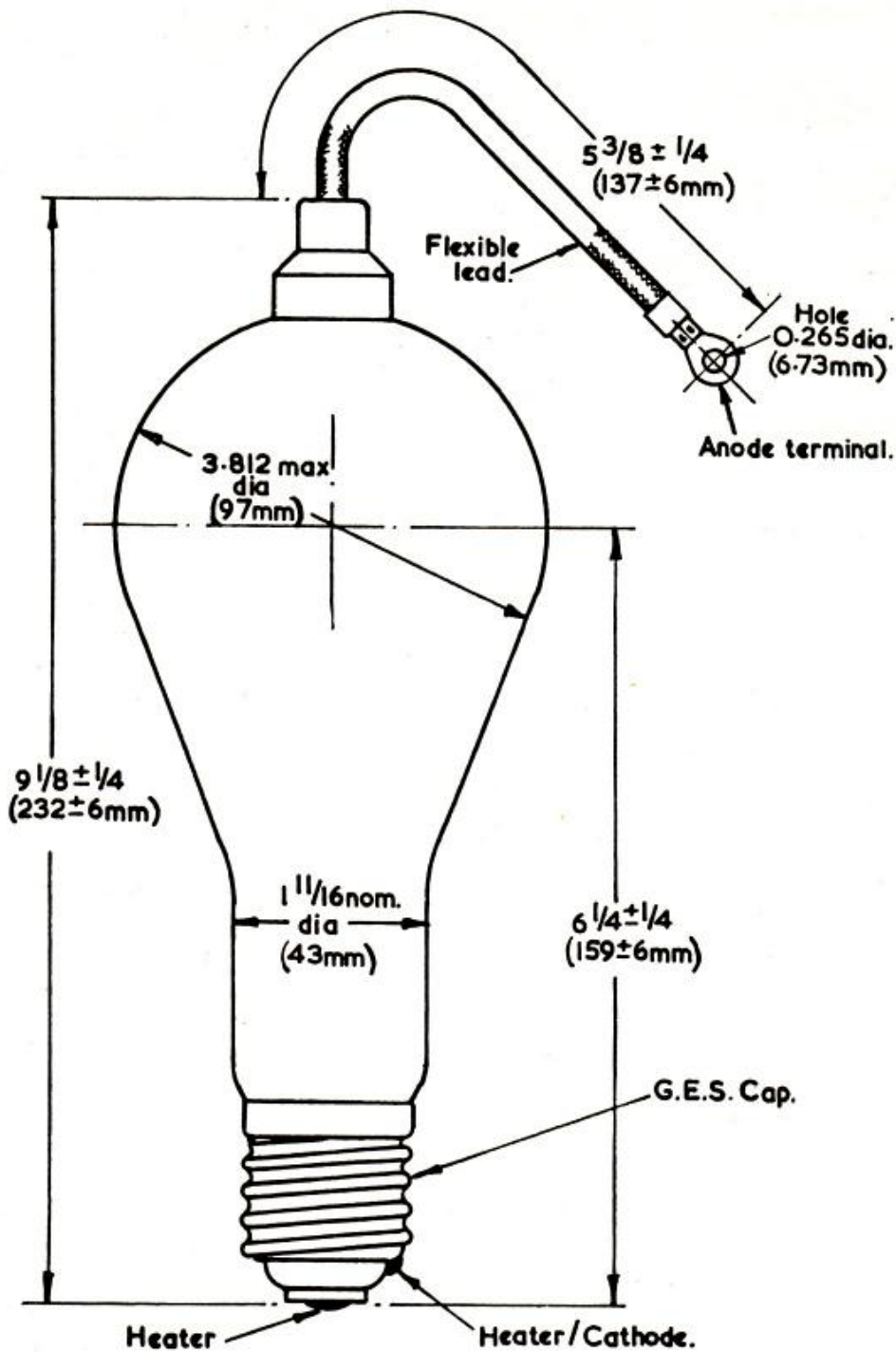
Maximum peak reverse anode voltage	1	kV
Condensed mercury temperature limits	40 to 85	°C
Maximum peak anode current	25	A
Maximum mean anode current (max averaging time 15 sec)	8	A
Maximum surge anode current (max duration 0.1 sec)	400	A

### CHARACTERISTICS

Cathode type	Indirectly heated	
Heater voltage	5.0	V
Maximum heater current	9.5	A
Mean heater current	9.0	A
Voltage drop (approx)	12	V
Cathode heating time	5	min
Condensed mercury temperature rise above ambient		
At no load (approx)	36	°C
At full load (approx)	43	°C

### MECHANICAL DATA

Type of cooling	Convection
Mounting position	Vertical, base down
Net weight (approx)	8½ oz (240 gm)



All dimensions in inches.  
Millimetre dimensions derived.



## HEATING CHARACTERISTIC

