



3B24W

HIGH VACUUM RECTIFIER

Service Type CV2858

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

DESCRIPTION

3B24W is a high vacuum rectifier featuring small size and extremely rugged construction. It is suitable for use in airborne and similar applications where vibration and shock are encountered.

MAXIMUM RATINGS

Peak inverse anode voltage	20	kV max
Peak anode current	300	mA max
Mean anode current	60	mA max
Bulb temperature	200	°C max

GENERAL DATA

Electrical

Filament (centre-tapped)	thoriated tungsten		
	Series	Parallel	
Filament voltage	5.0	2.5	V
Filament current	3.0	6.0	A

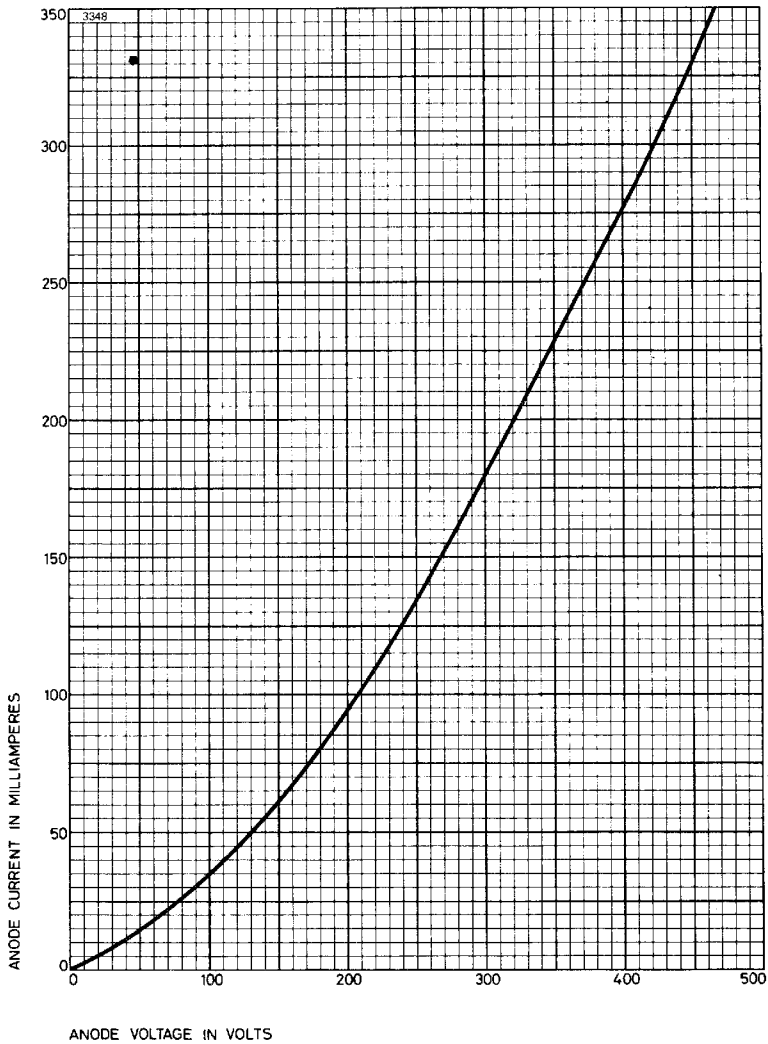
Mechanical

Overall length	4.812 inches (122.2mm) max
Overall diameter	1.562 inches (39.7mm) max
Net weight	2 ounces (57g) approx
Mounting position	vertical, base up or down
Base	B.S.448-B4G (JEDEC A4-10)

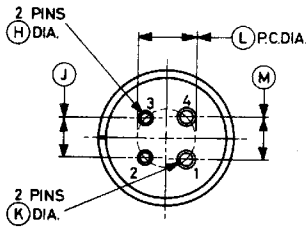
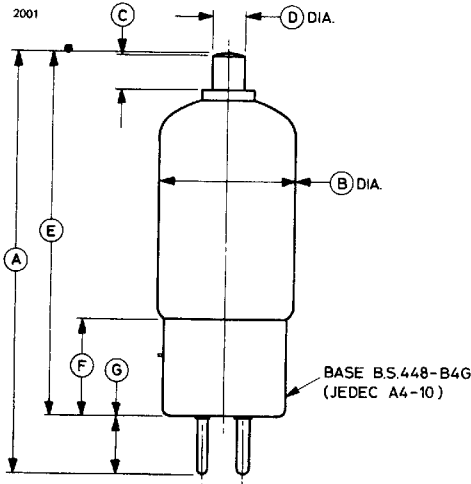
Cooling

If the tube is mounted away from other hot components and free circulation of cool air is not impeded, natural cooling should be adequate; the use of a shrouded anode connector is not recommended. If these conditions cannot be met, forced-air cooling will be necessary.

TYPICAL ANODE CHARACTERISTIC



OUTLINE (All dimensions without limits are nominal)



Pin	Element
1	Filament centre tap
2	Filament
3	No connection
4	Filament
Cap	Anode

Ref	Inches	Millimetres	Ref	Inches	Millimetres
A	4.656 ± 0.156	118.3 ± 4.0	G	0.629 max	15.98 max
B	1.562 max	39.67 max	H	0.125 ± 0.003	3.175 ± 0.076
C	0.390 ± 0.010	9.91 ± 0.25	J	0.437	11.10
D	0.360 ± 0.005	9.14 ± 0.13	K	0.156 ± 0.003	3.962 ± 0.076
E	4.000 ± 0.125	101.6 ± 3.2	L	0.640	16.26
F	1.087 max	27.61 max	M	0.468	11.89

Millimetre dimensions have been derived from inches.