

Power Resistors

Series AXM

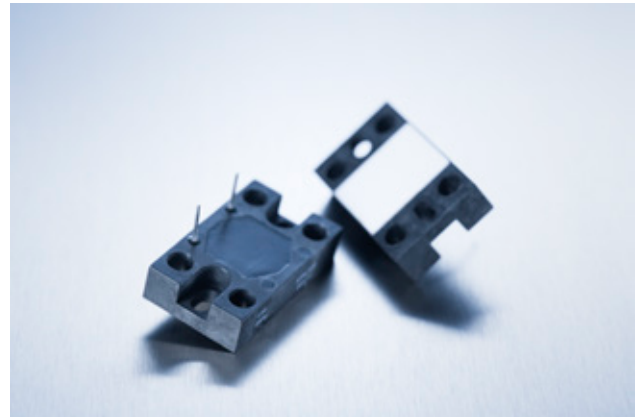
100 W Low Ohm Pulse Power Resistor

This is a new model designed for high pulse withstanding capabilities. Please let us have your exact pulse parameters to offer you the best option/ design details.

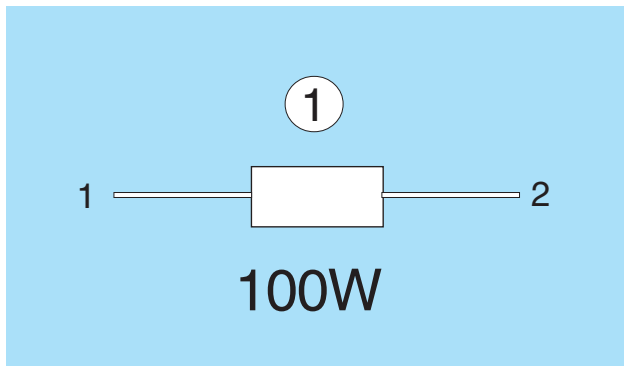
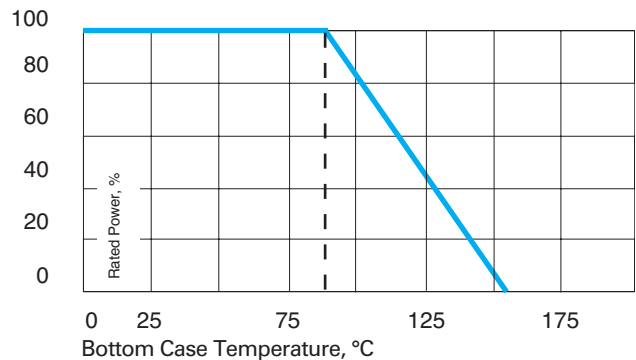
These elements are usually used in areas where stringent pulse withstanding requirements are common such as welding equipment, variable speed drives and motor controls and other switching devices.

Specifications

- Resistance range: 0.05 Ω to 0.5 Ω
- Standard tolerance: ±10% standard (±5% upon request)
- Temperature coefficient: typical +500 ppm/°C (at +105°C ref. to +25°C)
- Max. work. voltage: up to 500 V (depending on pulse load scenario)
- Power rating: at 85°C BCT
- Standard wire length: L = 10 mm (other lengths are available upon special request)
- Electric strength: 3 kV DC (1.5 kV AC, higher values upon request)
- Mounting - max. torque: 1.2 Nm
- Working temperature range: -55 up to 155 °C
- Housing material acc. to UL94-V0
- Standard storage conditions: 0 to 85°C at 80% RH max. for min. 12 months. For different conditions please contact your local EBG representative!



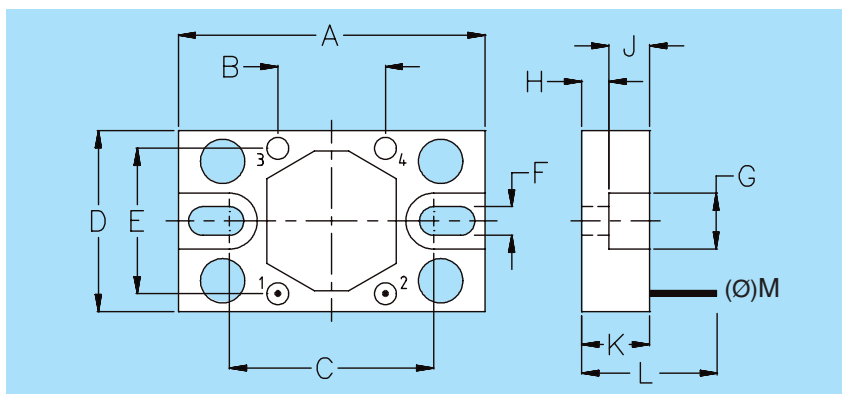
Derating:



Best results can be obtained by using a thermal transfer compound with a heat conductivity of better than 1 W/mK. The flatness of the cooling plate must be better than 0.05 mm overall. Surface roughness should not exceed 6.4 μm.

Suggested Mounting Procedure:

- 1) Position component and press down by hand.
- 2) Fix both mounting screws (M4) with 0.1 to 0.2 Nm torque.
- 3) Apply final torque to mounting screws of 1.0 to 1.2 Nm max.



Dim.	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	44.8	45.2	1.764	1.779
B	16.3	17.3	0.642	0.681
C	29.7	30.1	1.169	1.185
D	26.2	26.6	1.031	1.047
E	22.0	23.0	0.866	0.906
F	4.1	4.3	0.161	0.169
G	8.0	8.4	0.315	0.331
H	4.1	4.4	0.161	0.173
J	5.8	6.2	0.228	0.244
K	10.0	10.5	0.394	0.413
L	19.0	21.0	0.748	0.827
M	0.95	1.05	0.037	0.041

The above spec. sheet features our standard products. For further options, please contact our local EBG representative or contact us directly. For updated information, please visit our website!