

# Power Resistors

## Series AXM

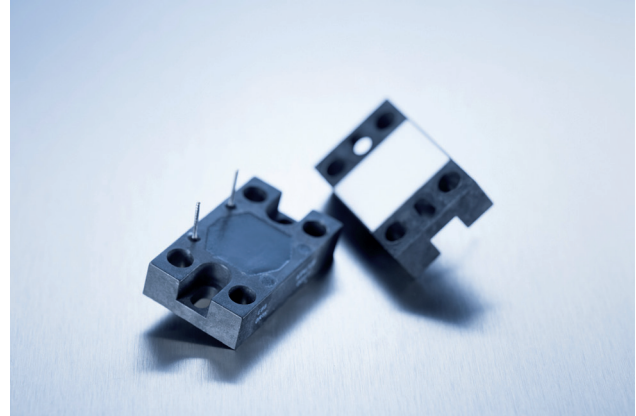
### 100 W Low Ohm Pulse Power Resistor

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.

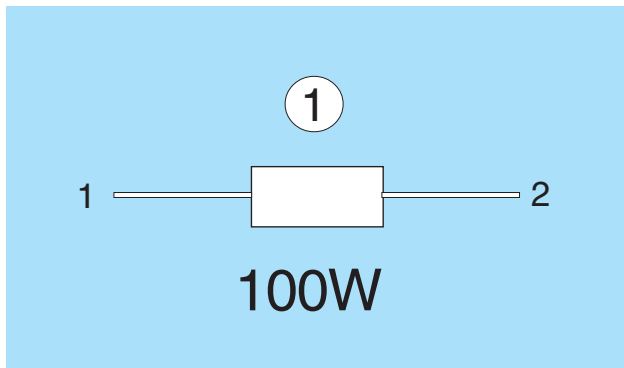
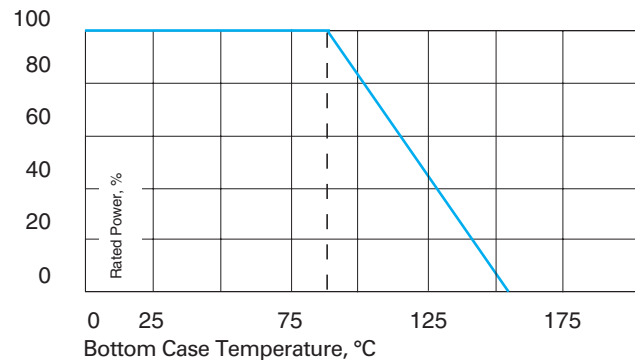
These elements are usually used in areas where stringent pulse withstanding requirements are common such as welding equipment, variable speed drives and motor controls and other switching devices.

### 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



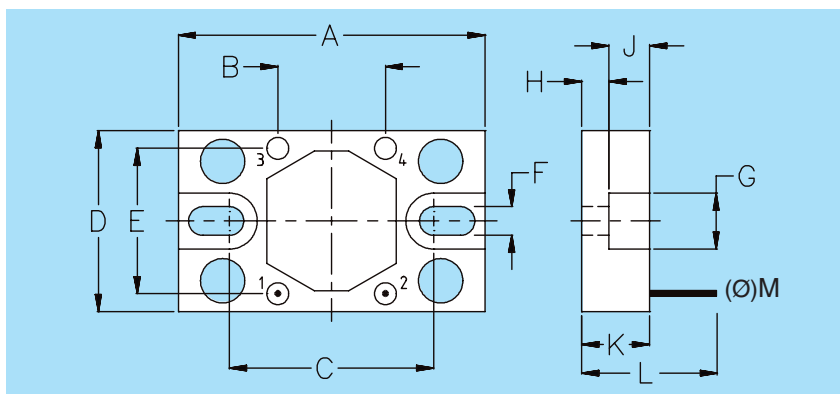
### Derating:



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!