EBG RESISTORS

A Miba Group Company

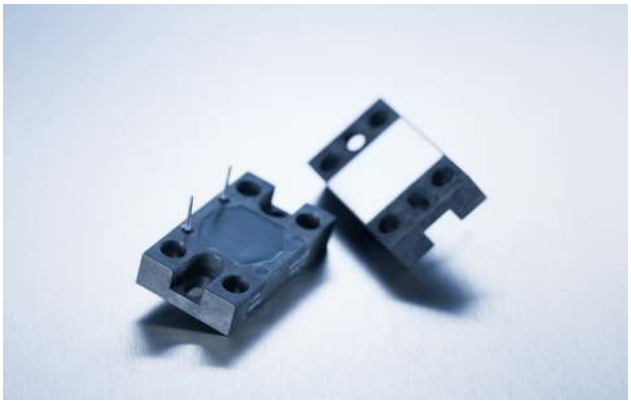
Power Resistors

Series AXM

100 W Low Ohm Pulse Power Resistor - only configuration 1 possible

This model is designed for high pulse withstanding capabilities. The AXM series is usually used in areas where stringent pulse withstanding requirements are common such as welding equipment, variable speed drives and motor control and other switching devices.

Please let us know your exact pulse parameters to offer you the best option / design details.



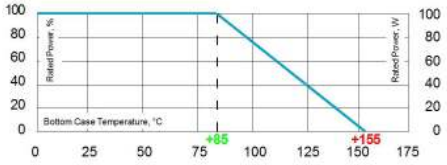
Features

- 100 W operating power
- Non-Inductive design
- ROHS compliant
- Materials in accordance with UL 94V-0

Technical Specifications

Resistance value	0.05 Ω ≤ 0.5 Ω
Resistance tolerance	±10 % standard ± 5 % on special request f. limited ohmic values
Temperature coefficient	typical ±500 ppm/°C (at +85°C ref. to + 25°C)
Power rating	100 W at 85°C bottom case temperature
Maximum working voltage	up to 500 V (depending on pulse load scenario)
Electric strength voltage	3 kV DC (1.5 kV AC, higher values on special request) terminal and case
Working temperatur range	-55°C to +155°C
Standard wire length	L = 10 mm (other lengths available on special request)
Mounting - max. torque	1.2 Nm
Weight	~18 g

Power Rating



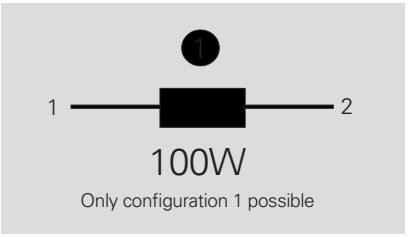
Best results can be reached by using a thermal transfer compound with a heat conductivity of at least 1 W/mK. The flatness of the cooling plate must be better than 0.05 mm overall. Surface roughness should not exceed 6.4 µm.

How to make a request

AXM-1 B_Ohmic Value_Tolerance

For example:
AXM-1 B 0R1 10%

Configuration

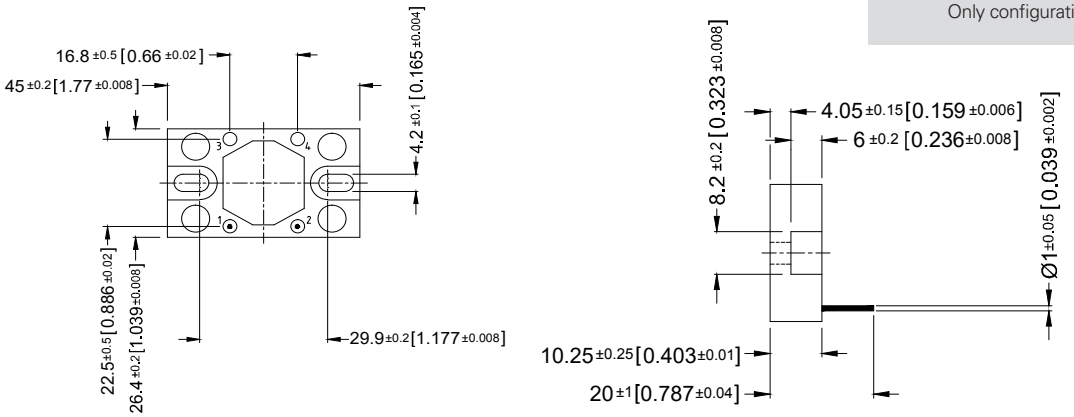


Only configuration 1 possible

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.

Dimensions in mm [inches]



The above spec. sheet features our standard products. For further options please contact our local EBG representative or contact us directly.