

Series FPX / FLX

TC of ± 100 ppm/ $^{\circ}\text{C}$ combined with precision tolerance and wide ohmic range

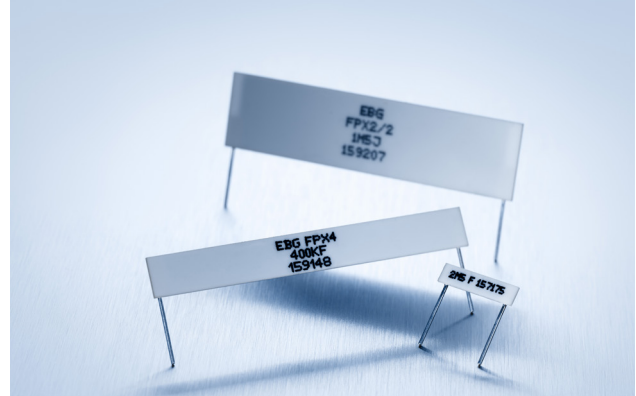
A Miba Group Company

1/1

Low-cost power resistors that provide high-density packaging in large volume applications.

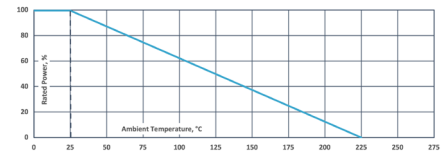
Features

- up to 22 kV operating voltage
- Series FPX / FLX printed silicone surface protection or conformal silicone coating for high-temperature operation (225 $^{\circ}\text{C}$)
- Thickness max. 3 mm (0.118 inch) for high-density packaging
- Non-Inductive design
- ROHS compliant
- Voltages up to 35% higher than listed = "S"-Version



Technical Specifications

Resistance value	FPX: 200 Ω \leq 2 G Ω FLX: 10 Ω \leq 1 G Ω
Resistance tolerance	FPX: ± 1 % to ± 10 % FLX: ± 0.5 % to ± 10 %
Temperature coefficient	± 100 ppm/ $^{\circ}\text{C}$, measured from +25 $^{\circ}\text{C}$ to 85 $^{\circ}\text{C}$ on special request down to ± 15 ppm for specific sizes & ohmic value
Max. operating temperature	-55 $^{\circ}\text{C}$ to +225 $^{\circ}\text{C}$
Voltage coefficient (typically)	Resistance range - ppm/V 200 R - 1 M: 0.1 - 1.0 1 M - 100 M: 0.2 - 3.0 100 M - 2.000 M: 0.5 - 10.0
Weight	depending on model no. (ask for details)

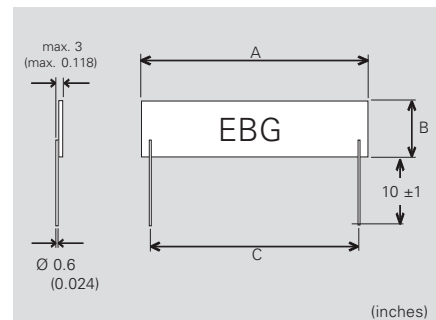


Model Specifications

Series FPX with Surface Silicone Print

Model no.	Wattage	Max. continuous operating voltage	Dimensions in millimeters (inches)		
			A (max.) ± 0.50 / ± 0.02	B (max.) ± 0.50 / ± 0.02	C ± 0.50 / ± 0.02
FPX 1/2	1.50	3,000*	12.90 (0.51)	3.40 (0.13)	10.20 (0.40)
FPX 8/5	2.50	6,000*	25.60 (1.01)	5.30 (0.21)	22.90 (0.90)
FPX 3	4.00	9,000*	38.30 (1.51)	6.60 (0.26)	35.50 (1.40)
FPX 4	5.00	11,500*	51.00 (2.01)	6.60 (0.26)	48.20 (1.90)
FPX 2/2	7.50	16,500*	51.00 (2.01)	12.90 (0.51)	48.20 (1.90)

*when used in clean air



Series FLX with Conformal Silicone Protection

FLX 1/2	1.50	300	12.90 (0.51)	3.40 (0.13)	10.20 (0.40)
FLX 8/5	2.50	500	25.60 (1.01)	5.30 (0.21)	22.90 (0.90)
FLX 3	4.00	800	38.30 (1.51)	6.60 (0.26)	35.50 (1.40)
FLX 4	5.00	1,000	51.00 (2.01)	6.60 (0.26)	48.20 (1.90)
FLX 2/2	7.50	1,000	51.00 (2.01)	12.90 (0.51)	48.20 (1.90)

How to make a request

Model no._Ohmic Value_Tolerance

For example:
FPX 8/5 200M 1%

Disclaimer



A Miba Group Company

The given statements and information herein are recommendations for the use of our products and are based on our experience in combination with applicable technical standards.

They are for guidance only and do not represent any assurance of characteristics or warranty commitments for the products or their suitability for specific applications.

The suitability of the products for the intended use by the user depends on different boundary conditions and influencing factors and is to be assessed exclusively by the user.

DISCLAIMER:

NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, IS MADE WITH RESPECT TO THE PRODUCTS, DESIGNS, DATA, INFORMATION DESCRIBED OR ANY INTELLECTUAL PROPERTY CONTAINED THEREIN. ANY WARRANTY OR GUARANTEE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS ALSO EXCLUDED.

The given statements and information herein reflect the current status at the time of publication.

Typing or printing errors cannot be excluded.

This publication shall not be reprinted or reproduced in whole or in part in any form or by any means without the express written permission of EBG.