

Series FPX / FLX

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

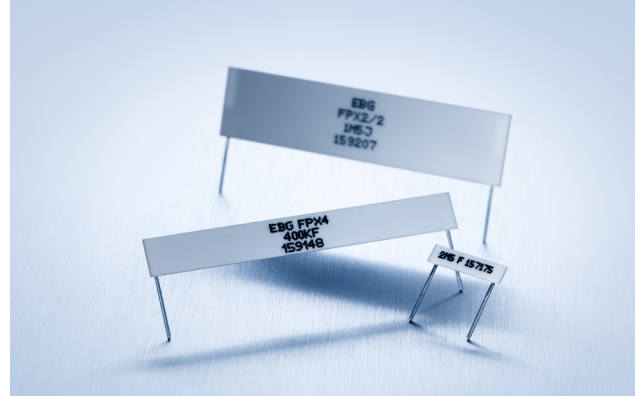
A Miba Group Company

1/1

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

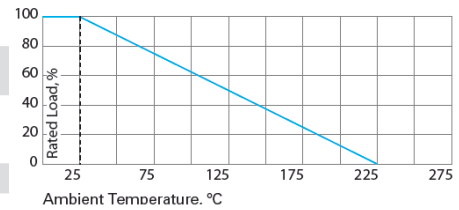
Features

- 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: $200 \Omega \leq 2 \text{ G}\Omega$ FLX: $10 \Omega \leq 1 \text{ G}\Omega$ |
| Resistance tolerance | FPX: $\pm 1 \%$ to $\pm 10 \%$ FLX: $\pm 0.5 \%$ to $\pm 10 \%$ |
| 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) |

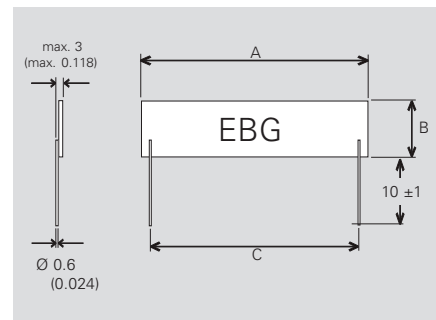


Model Specifications

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 an order

Model no._Ohmic Value_Tolerance

For example:
FPX 1/2 200R 5%