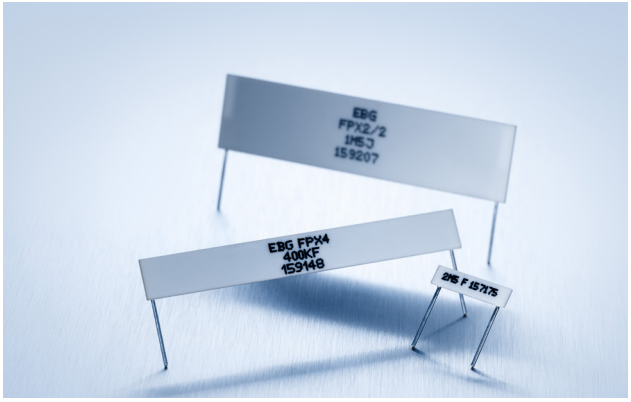
Series FPX / FLX

TC of ±100 ppm/°C combined with precision tolerance and wide ohmic range

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

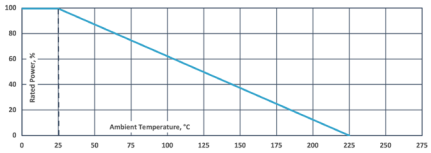


Features

- up to 22 kV operating voltage
- Series FPX / FLX printed silicone surface protection or conformal silicone coating for high-temperature operation (225°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 ≤ 2 GΩ **FLX:** 10 Ω ≤ 1 GΩ
Resistance tolerance	**FPX:** ±1 % to ±10 % **FLX:** ±0.5 % to ±10 %
Temperature coefficient	±100 ppm/°C, measured from +25°C to 85°C on special request down to ±15 ppm for specific sizes & ohmic value
Max. operating temperature	-55°C to +225°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)

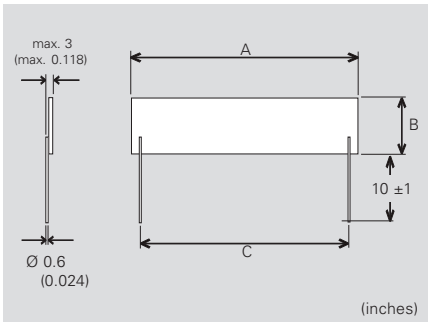


Model Specifications

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%

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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.

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