

# High Voltage Resistors

## High Voltage Flat Style Resistors Series FPX and FLX

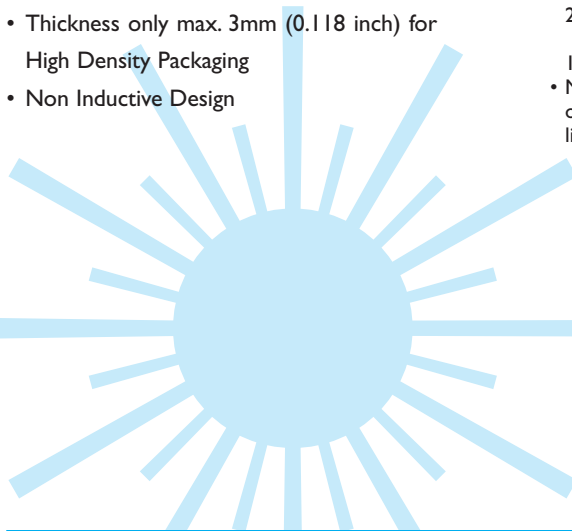
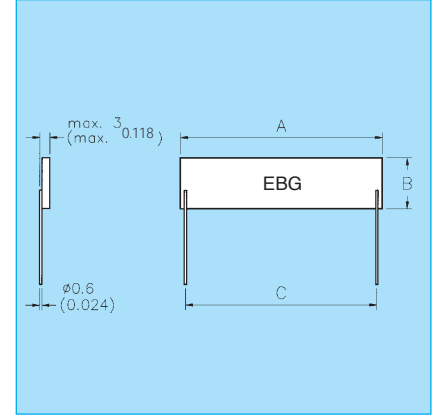
TC of 100ppm/°K combined with Precision Tolerances (0.5%-10%) and wide Ohmic Range

Here are the low cost power resistors that provide high density packaging in large volume applications.

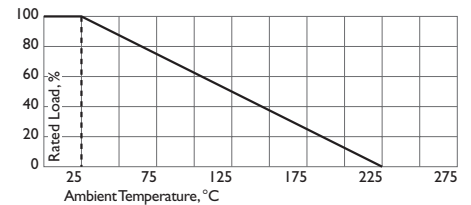
- Series FPX and FLX printed on surface with conformal black silicone for high temperature operation (225°C)
- High Voltage Withstanding up to 22,000V
- 5 different sizes
- Thickness only max. 3mm (0.118 inch) for High Density Packaging
- Non Inductive Design

### Specifications:

- Resistance Range:  
FPX: 200Ω to 2GΩ  
FLX: 10Ω to 1KΩ
- Resistance Tolerance:  
FPX: ±1% to 10%  
FLX: ±0.5% to 10%
- Temperature Coefficient:  
±100 ppm/°K, measured +25°C to 85°C
- Voltage Coefficient (typically):  
Resistance Range -ppm/V  
200 - 1M 0.1- 1.0  
1M- 100M 0.2- 3.0  
100M- 2,000M 0.5- 10.0
- Max. Operating Voltage: "S" on request up to 35% higher than listed



	Model No.	Watt-age	Max. Continuous Oper. Volt.	Dimensions in millimeters		
				Dimensions in inches	B (max.) ± 0.50 ± 0.02	C ± 0.50 ± 0.02
Series FPX with Surface Silicone Print	FPX1/2	1.50	4,000	13.60 0.51	4.50 0.18	10.20 0.40
	FPX8/5	2.50	8,000	25.90 1.02	6.30 0.25	22.90 0.90
	FPX3	4.00	12,000	38.70 1.52	7.50 0.30	35.50 1.40
	FPX4	5.00	15,000	51.00 2.02	7.50 0.30	48.20 1.90
	FPX2/2	7.50	22,000	51.30 2.02	14.20 0.56	48.20 1.90
Series FLX with Conformal Silicone Protection	FLX1/2	1.50	300	13.60 0.54	4.50 0.18	10.20 0.40
	FLX8/5	2.50	500	25.90 1.02	6.30 0.25	22.90 0.90
	FLX3	4.00	800	38.70 1.52	7.50 0.30	35.50 1.40
	FLX4	5.00	1,000	51.30 2.02	7.50 0.30	48.20 1.90
	FLX2/2	7.50	1,000	51.30 2.02	14.20 0.56	48.20 1.90



In the above spec sheet, you will find our standard product, please contact your local manufacturing representative or call us direct to find out details of other options available regarding this style:

<http://www.ebgusa.com> & email: [ebg@sime.com](mailto:ebg@sime.com) & [sales@ebgusa.com](mailto:sales@ebgusa.com)