

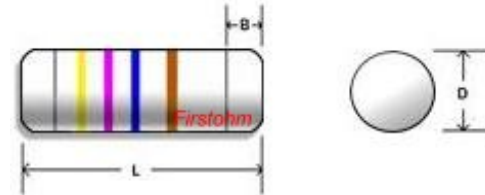
**QUALITY RELIABILITY COST-DOWN**

**Firstohm®**

## EFP - Enhanced Film Power MELF Resistor

### Features

- High Power Handling
- Superior Reliability and Stability
- SMD Enabled Structure
- Pb-free Version Available, Pure Tin Plated Termination for Excellent Solderability



### Dimensions:

Type	Body Length (L, mm)	Body Diameter (D, mm)	Soldering Spot (B, mm)	Net Weight Per 1000 pcs
EFP204	3.45 ± 0.1	1.35 ± 0.1	0.6 Min.	17 grams
EFP101	5.90 ± 0.2	2.20 ± 0.1	1.0 min.	66 grams
EFP201	8.50 ± 1.0	3.00 ± 0.2	1.3 min.	186 grams
EFP301	10.5 ± 1.0	4.00 ± 0.5	1.6 min.	446 grams
EFP401	12.6 ± 1.5	4.60 ± 0.7	1.8 min.	750 grams
EFP501	14.6 ± 2.0	5.10 ± 1.0	2.0 min.	1000 grams

### Specifications:

Type	Power Rating (at 70 °C)	Max. Working Voltage	Max. Overload Voltage	Resistance Range Min.	Resistance Range Max.	Resistance Tolerance	Standard Resistance Value
EFP204	1/2W	250V	500V	0Ω	1MΩ	±0.5%-5%	E-24 / 96
EFP101	1W	300V	600V	0Ω	1MΩ	±0.5%-5%	E-24 / 96
EFP201	2W	350V	700V	0Ω	4.7MΩ	±0.5%-5%	E-24 / 96
EFP301	3W	400V	800V	0Ω	6.8MΩ	±0.5%-5%	E-24 / 96
EFP401	4W	400V	800V	0Ω	8.2MΩ	±0.5%-5%	E-24 / 96
EFP501	5W	450V	900V	0Ω	10MΩ	±0.5%-5%	E-24 / 96

*Special size, values, and specifications not listed available on special order.*

### Technical Specifications

Characteristics	Limits
Dielectric Withstanding Voltage, VAC or DC	EFP204: 300 EFP101: 500 EFP201: 700 EFP301, EFP401, EFP501: 1000
Temperature Coefficient, PPM /	1M $\Omega$ : $\pm$ 200 1.1M $\Omega$ -6.8M $\Omega$ : $\pm$ 350 > 6.8M $\Omega$ : $\pm$ 500
Operating Temperature Range,	-55 ~ +155
Insulation Resistance, M $\Omega$	>10 <sup>4</sup>
Voltage Coefficient, PPM / V	<25
Failure Rate in Time, pcs / 109 device hours	<1

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