

## AC Power Electronic Capacitors (PEC) - Rectangular



### FEATURES

- Resistance to heavy-duty shock vibration
- Optional safety system
- Non-polar dielectric
- Dry resin filled

### APPLICATIONS

- Traction and industrial applications
- Line filter and harmonic filter in frequency converters as 2-phase or 3-phase system either in delta or star connection

### LINKS TO ADDITIONAL RESOURCES



QUICK REFERENCE DATA	
DESCRIPTION	VALUE
Rated AC voltage min.	200 V <sub>AC</sub> peak
Rated AC voltage max.	6000 V <sub>AC</sub> peak
Capacitance min.	10 µF
Capacitance max.	5000 µF
Capacitance tolerance	± 5 %
Technology	Metallized polypropylene film, self-healing
Dielectric dissipation factor	< 2 x 10 <sup>-4</sup>
Operating temperature min.	-40 °C
Operating temperature max.	+85 °C (hotspot)
Lifetime expectancy	> 100 000 h at U <sub>N</sub> and < 70 °C hotspot
Reliability	< 100 FIT
Test voltage	U <sub>tt</sub> = 1.5 x U <sub>N</sub> /10 s; U <sub>tc</sub> = 2 x U <sub>I</sub> + 1000 V <sub>AC</sub> /10 s
Casing	Aluminum or stainless steel
Filling	Dry resin
Standard	IEC 61071, IEC 61881-1

### Contact Us

Other voltage, current, and capacitance values are available on request without additional cost and lead time for the individual design.



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