

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


[3D Models](#)

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

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



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