

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 |

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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