



Low Profile, AEC-Q200 Qualified MKP1848Se DC-Link Film Capacitor Withstands THB Testing of 60 °C / 93 % RH for 56 Days, Offers Four Low Building Heights From 12 mm to 24 mm for Space-Constrained Applications

Product Benefits:

- AEC-Q200 qualified
- Withstands THB testing — 60 °C / 93 % relative humidity for 56 days at rated voltage
- Available in four building heights — 12 mm, 15 mm, 18 mm, and 24 mm — and 12 standard dimension options
- Rated capacitance from 1 μF to 75 μF
- Low ESR down to 3 m Ω
- High ripple current capabilities up to 27 A
- Rated voltages of 500 VDC, 700 VDC, 900 VDC, and 1200 VDC at +85 °C
- RoHS-compliant



Market Applications:

- HVAC systems, on-board and inductive battery charging systems, air conditioning compressors, and motor drives for electric (EV) and plug-in hybrid electric vehicles (PHEV)

The News:

Vishay Intertechnology introduces a new low profile, AEC-Q200 qualified DC-Link metallized polypropylene film capacitor that is the first such device to withstand temperature humidity bias (THB) testing of 60 °C / 93 % relative humidity for 56 days at rated voltage.

- With its low profile design and high resistance to humidity, the radial device is ideal for space-constrained automotive applications

The Key Specifications:

- Capacitance range: 1 μF up to 75 μF
- Capacitance tolerance: $\pm 5\%$; $\pm 10\%$
- Rated voltages: 500 VDC, 700 VDC, 900 VDC, and 1200 VDC
- ESR: 3 m Ω to 29 m Ω
- RMS current: to 27 A



NEW PRODUCT INFORMATION



Product Group: Vishay Roederstein, Film Capacitors / June 2022

Availability:

Samples and production quantities of the MKP1848Se DC-Link are available now, with a lead time of 20 weeks.

To access the product datasheet on the Vishay Website, go to
<http://www.vishay.com/ppg?26082> (MKP1848SE DC-Link)

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