

Part Number & Ordering Information*

Family	Input Voltage	Maximum Current	Filter Type / Clamping Voltage	Package	Baseplate	Options
KRFL01	DC28WE: 9-70 V	C20: 20 A C30: 30 A	P: Passive	QB: Quarter Brick	F: Flanged H: Half Threaded	-

* Full part numbering and options are available in the data sheet. "-" sign shall be placed in between all fields.

Features & Benefits

- Passive EMI filter packaged in a quarter brick
- Wide Input Voltage Range: 9-70 VDC
- Low DC resistance and low drop-out voltage
- >36 dB differential-mode attenuation at 250 kHz
- >41 dB common-mode attenuation at 250 kHz



Size: 58.4 x 36.8 x 12.9 mm

Product Description

KRFL01 is an EMI filter based on uniquely configured differential-mode and common-mode passive stages with damping circuits that eliminate undesired resonance and oscillations. Unit is also equipped with large value capacitors with series resistors to correct the stability problems caused by the negative input resistance of converters to be interfaced. For extended reliability, our filters are using X7R multilayer ceramic capacitors only.

Designed to Meet

*with brick modules

- MIL-STD-461 (D, E, F, G)
- MIL-STD-810

Absolute Maximum Ratings

The absolute maximum ratings below are stress ratings only. Operation at or beyond these maximum ratings may cause permanent to the device.

Parameter	Value
Operating Temperature	-55 to +100 °C
Storage Temperature	-55 to +125 °C

Screening

- Full LOT traceability
- Burn-in at 100 °C baseplate temperature
- Temperature cycling per MIL-STD-883
- Available with different screening grades
- IPC-610, Class III Inspection
- Final visual inspection per MIL-STD-883