

Part Number & Ordering Information*

Family	Input Voltage	Power	Output Voltage	Package	Options
KMPF03	AC1UNV: Single Phase Universal 90-265 VAC	P2K5: 2.5 kW P3K5: 3.5 kW	DC400: 400 VDC	CM: Custom Module	-

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

Features & Benefits

- AC-DC Power Factor Correction Module
- Input frequency range: 47-63 Hz
- Power Factor > 0.99
- Up to 3500 W, 8.75 A continuous output
- Internal input EMI filter
- Active inrush current limiting
- Auto-recovery input under/over voltage protection
- Input current protection
- Auto-recovery overcurrent protection
- Auto-recovery short-circuit protection
- Auto-recovery output over voltage protection



Size: 201.5 x 131.5 x 38 mm

Weight: 1.5 kg

Product Description

KMPF03 is an AC-DC power factor correction module with a power capacity up to 3500 W that operates from a universal single-phase AC input and generates constant 400 VDC output. Module draws a nearly sinusoidal current with less than 5% THD and close to unity power factor. Converter is fully protected against all external faults and disturbances. The innovative baseplate cooling technology engineered by KOLT allows adaptation of different cooling strategies including liquid baseplate cooling. The natural and forced air cooling strategies can also be implemented via mounting on an external heatsink with peace of mind.

Designed to Meet

- 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	-40 to +85 °C
Storage Temperature	-55 to +125 °C

Screening

- Full LOT traceability
- Burn-in at 85 °C baseplate temperature
- Temperature cycling
- Available with different screening grades
- Final visual inspection