

## Part Number & Ordering Information\*

Family	Input Voltage	Power	Output Voltage	Package	Options
<b>KMPM01</b>	<b>DC400:</b> 250-425 VDC	<b>P1K6:</b> 1.6 kW <b>P2K5:</b> 2.5 kW <b>P3K3:</b> 3.3 kW	<b>DC12:</b> 12 VDC <b>DC15:</b> 15 VDC <b>DC28:</b> 28 VDC <b>DC36:</b> 36 VDC <b>DC48:</b> 48 VDC <b>DC270:</b> 270 VDC	<b>CM:</b> Custom Module	-

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

## Features & Benefits

- Wide input voltage range
- High efficiency and high power density
- Baseplate conduction cooled
- RS-485 communication
- Input UV/OV protection
- Output OV protection
- Short circuit protection
- Over temperature protection

## Product Description

KMPM01 is a low profile and compact single output isolated DC-DC converter for rugged applications requiring a regulated DC voltage at the output. This converter operates from a wide range DC input (250-425 V) and has superior protection features backed by analog comparators. The innovative baseplate cooling technology engineered by KOLT allows adaptation of different cooling strategies including liquid baseplate cooling.

## Designed to Meet

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



**Size:** 167 x 131 x 34 mm

**Weight:** 1.5 kg

## Absolute Maximum Ratings

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

Parameter	Value
<b>Operating Temperature</b>	-40 to +85 °C
<b>Storage Temperature</b>	-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