

Part Number & Ordering Information*

Family	Input Voltage	Power	Output Voltage	Package	Options
KMRM01	DC28: 16-40 V	P100: 100 W P200: 200 W P300: 300 W	DC3V3: 3.3 V DC5: 5 V DC12: 12 V DC24: 24 V DC28: 28 V	CM: Custom Module	PM: PMBUS

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

Features & Benefits

- Isolated, Regulated Rugged DC-DC Converter Module
- Internal input EMI filter
- Overcurrent protection
- Short-circuit protection
- Input under voltage protection
- Input over voltage protection
- Output over voltage protection
- Thermal Shutdown
- ON/OFF control
- Trim range +10%, -30%



Size: 100 x 80 x 23.4 mm

Product Description

KMRM01 is a DC-DC isolated rugged converter module that operates over input voltage range (16-40 V) and generates a regulated DC output. Module is fully protected against all kinds of faults and disturbances guaranteeing hassle-free operation in the field. KOLT's innovative thermal design allows continuous and safe operation at rated load in hot conditions.

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 +100 °C
Storage Temperature	-55 to +125 °C

Designed to Meet

- MIL-STD-461 (D, E, F, G)
- MIL-STD-704 (A-F)
- MIL-STD-1275D
- MIL-STD-810

Screening

- Full LOT traceability
- Burn-in at 100 °C baseplate temperature
- Temperature cycling
- Available with different screening grades
- Final visual inspection