

Part Number & Ordering Information*

Family	Input Voltage	Power	Output Voltage	Package	Baseplate	Options
KMBM02	DC28: 16-40 V	P100: 100 W	DC3V3: 3.3 V	QB: Quarter Brick	F: Flanged H: Half Threaded	PM: PMBUS
		P200: 200 W	DC5: 5 V			
		P300: 300 W	DC12: 12 V			
			DC24: 24 V			
			DC28: 28 V			

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

Features & Benefits

- Isolated DC-DC Quarter Brick Module
- Galvanic isolation
- Delivers up to 300 W
- Input UVLO and OVLO protections
- Output over voltage protection
- Output over current protection
- Output short-circuit protection
- Thermal Shutdown
- ON/OFF control
- Trim range +15%, -30%
- PMBUS pins are only present in PMBUS option



Size: 58.4 x 36.8 x 12.9 mm

Weight: 80.1 g

Product Description

KMBM02 is an isolated quarter brick module that operates over an input voltage range from 16 V to 40 V and regulates voltages from 3.3 V to 28 V with very low ripple. This quarter brick DC-DC converter module delivers up to 300 W.

Designed to Meet

*with EMI filter module

- MIL-STD-461 (D, E, F, G)
- MIL-STD-704 (A-F)
- MIL-STD-1275D
- 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 +100 °C
Storage Temperature	-55 to +125 °C

Screening

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