

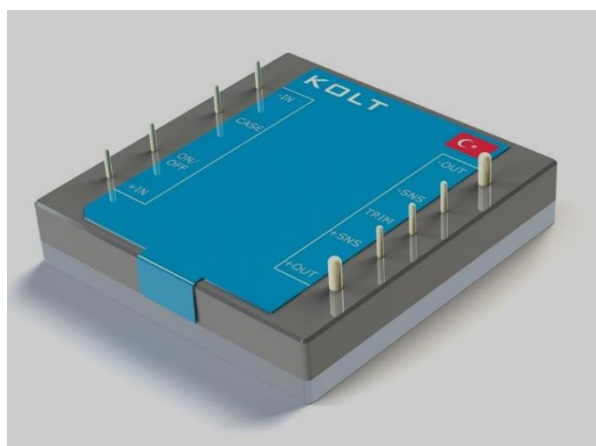
Part Number & Ordering Information*

Family	Input Voltage	Power	Output Voltage	Package	Baseplate	Options
KMBM05 KRBM05 (-55 °C)	DC28WE: 9-70 V	P150: 150 W P250: 250 W	DC3V3: 3.3 V DC5: 5 V DC12: 12 V DC24: 24 V DC28: 28 V	HB: Half Brick	F: Flanged H: Half Threaded	PM: PMBUS

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

Features & Benefits

- Wide extended input voltage
- Input UVLO and OVLO protections
- Output over voltage protection
- Output overcurrent protection
- Output short-circuit protection
- Thermal Shutdown
- ON/OFF control
- Trim range +10%, -20%
- Predictable EMI feature due to fixed switching frequency
- No minimum load requirement
- PMBUS pins are only present in PMBUS option



Size: 63.2 x 60.6 x 12.9 mm

Product Description

KMBM05/KRBM05 is an isolated half brick module that operates over a wide extended input voltage range from 9 V to 70 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 250 W.

Designed to Meet

*with EMI filter module

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

KRBM05 Version

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
- Available with different screening grades
- Final visual inspection