

### Features & Benefits

- Isolated DC-DC Half Brick
- Up to 500 W Output Power
- 90% Efficiency at Full Load
- Input Under Voltage Lockout
- Input/Output Over Voltage Protection
- Output Current Limit
- Short Circuit Protection
- Thermal Shutdown
- Remote ON/OFF Control
- Output Voltage Remote Sense
- Output Voltage Trim Range +10%, -40%

### Compliance

The Converter (with an KRFL filter) is designed to meet:

- MIL-STD-461G
- MIL-STD-810G
- MIL-STD-1275E
- MIL-HDBK-704-8

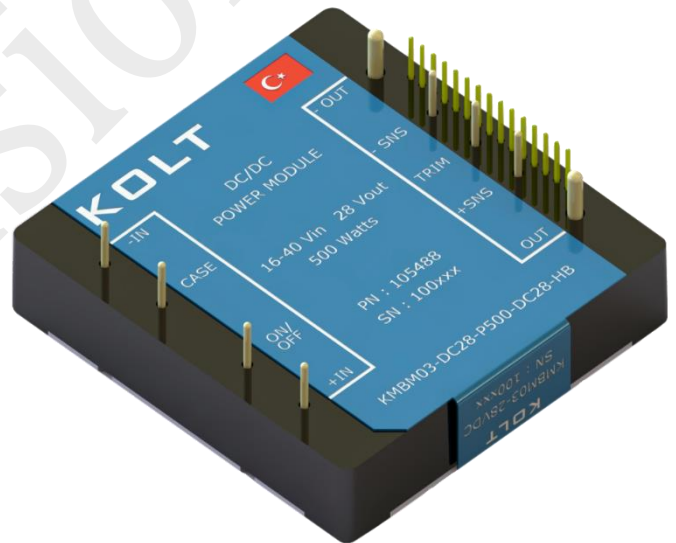
### Typical Applications

- Military/Defense Power Systems
- Armored Vehicles
- Land Platforms
- Aerospace Platforms
- Communications and Radar Systems
- Medical Systems

Product Ratings	
$V_{IN}$	16 – 40 V
$V_{OUT}$	28 V
$I_{OUT}$	18 A
$P_{OUT}$	500 W

### Product Description

KMBM03-DC28-P500-DC28-HB is a 500 W DC/DC converter in half-brick size that operates from nominal 28 V input and generates 28 V isolated output. The converter is fully protected to operate reliably under all kinds of disturbances. The baseplate is designed and manufactured in-house to provide efficient cooling and safe operation at 100 °C base plate temperature.



Size: 61.0 x 58.4 x 13.0 mm  
[2.402" x 2.299" x 0.512"]

Weight: 150 ± 5 g