

Features & Benefits

- Isolated DC-DC Quarter Brick
- Up to 300 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%

*: Trim-up capability input voltage range 18-40 V

Compliance

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

- MIL-STD-461G
- MIL-STD-810G
- MIL-STD-1275E

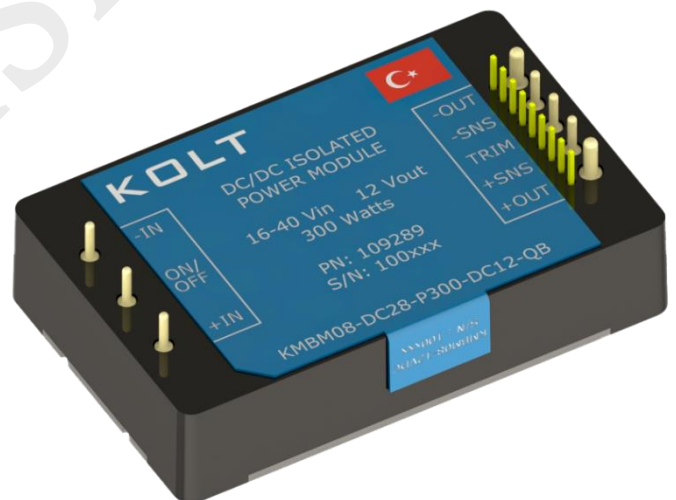
Typical Applications

- 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}	12 V
I _{OUT}	25 A
P _{OUT}	300 W

Product Description

KMBM08-DC28-P300-DC12-QB is a 300 W DC/DC converter in quarter-brick size that operates from nominal 28 V input and generates 12 V isolated output. It is designed to meet MIL-STD-461 EMI requirements when combined with the passive KRFL02 EMI filter module and has superior noise and ripple performance. Converter is fully protected to operate reliably under all kinds of disturbances. Baseplate is designed and manufactured in house to provide efficient cooling and safe operation at 100 °C base plate temperature.



Size: 58.4 x 36.8 x 12.7 mm
[2.3" x 1.45" x 0.5"]

Weight: 80 ± 5 g