

### Features & Benefits

- Non-Isolated DC-DC 1/16<sup>th</sup> Brick
- Up to 100 W Output Power
- 92% Efficiency at Full Load
- Input Under Voltage Lockout
- 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%, -50%

### Compliance

The converter (with a KRFL filter) is designed to meet:

- MIL-STD-461G
- MIL-STD-810G

### Typical Applications

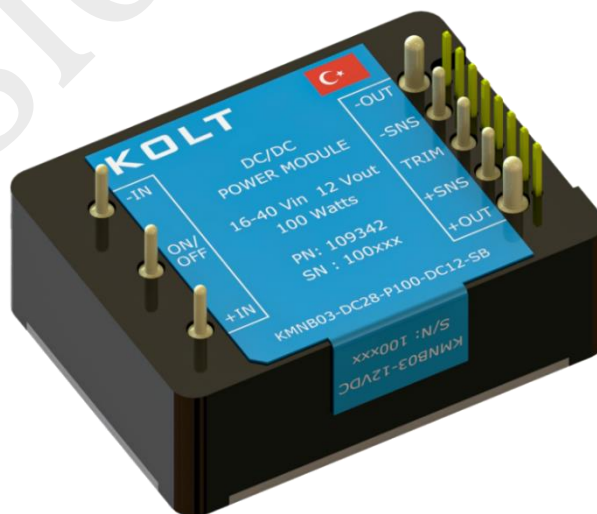
- Military/Defense Power Systems
- Armored Vehicles
- Land Platforms
- Aerospace Platforms
- Communications and Radar Systems
- Medical Systems

### Product Ratings

V <sub>IN</sub>	16 – 40 V
V <sub>OUT</sub>	12 V
I <sub>OUT</sub>	8.5 A
P <sub>OUT</sub>	100 W

### Product Description

KMNB03-DC28-P100-DC12-SB is a 100 W non-isolated DC/DC converter in sixteen-brick size that operates from a nominal 28 V input and generates 12 V 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:** 38 x 28 x 13 mm  
[1.50" x 1.10" x 0.512"]

**Weight:** 48 ± 2 g