

QID6508001 6500V 85A Dual HVIGBT Module



DESCRIPTION:

Powerex has expanded our HVIGBT module product line with the development of the QID6508001 6500V 85A Dual IGBT module. This module makes use of the latest Mitsubishi R-Series chip technology which offers lower losses, a more rugged SWSOA and RRSOA, and a higher current handling capability as compared to the previous generations of chip technology.

The Powerex QID6508001 HVIGBT modules are designed for use in switching applications. Each module consists of two IGBT transistors in a half-bridge configuration with each transistor having a reverse-connected super-fast recovery free-wheel diode. All components and interconnects are isolated from the heat sinking baseplate, offering simplified system assembly and thermal management.

FEATURES:

- Advanced Mitsubishi R-Series Chip Technology
- Low $V_{CE(sat)}$
- Creepage and Clearance meet IEC 60077-1
- High Isolation Voltage: 9.0kV_{RMS}
- Rugged SWSOA and RRSOA
- Compact Industry Standard Package

APPLICATIONS:

- Medium Voltage Drives
- High Voltage Power Supplies

QID6508001

6500V, 85A Dual HVIGBT Module

Package Configuration:

