

Fast Facts

SiC Power Module

TT Electronics latest power module package is a bespoke solution with requirements to match customer drive circuitry and ensures a low profile, low inductance ‘hybrid’ module using SiC technology. Both 3 Phase and H-Bridge configurations are available and the module is suitable for liquid and impingement cooling. This light weight, high reliability package has a maximum operating current of 300A and a maximum operating voltage of 3.3kV and is suitable for use in a range of applications across Aerospace and Defence, Industrial and Automotive markets.



BENEFITS & FEATURES

- Maximum operating current of 300A
- Maximum operating voltage of 3.3kV
- 3 Phase and H-Bridge configuration options available
- Demonstrator phase leg available now
- Suitable for liquid-cooling and impingement-cooling
- Matched vertical structure for high reliability
- State of the art die coatings available
- Non-standard termination options available on request
- Lightweight
- Reduced size
- High reliability
- High temperature

APPLICATIONS

- Motor drives
- Flight surface actuation
- Landing gear
- Nacelle – electrical reverse thrust
- Aircraft KERS systems
- Power controller
- Thrust vector actuation
- Down-hole drilling exploitation and extraction

