

HIC PROFET™ : BTS50055-1TMA

DESCRIPTION:

High side power switch with integrated vertical power FET, providing embedded protection and diagnostic functions.

SUMMARY OF FEATURES:

- Overload protection
- Current limitation
- Short circuit protection
- Over temperature protection
- Over voltage protection (including load dump)
- Clamp of negative voltage at output
- Fast deenergizing of inductive loads 1)
- Low ohmic inverse current operation
- Reversave (Reverse battery protection)
- Diagnostic feedback with load current sense
- Open load detection via current sense
- Loss of Vbb protection 2)
- Electrostatic discharge (ESD) protection
- Green product (RoHS compliant)
- AEC qualified

BENEFITS:

- High load current capability
- High inrush current capability
- High energy capability
- Integrated protection functionality
- Integrated diagnosis functionality

TARGET APPLICATIONS:

- Automotive Body & Convenience
- Automotive Lighting
- Power Distribution
- Relay Replacement
- Fuse Replacement
- Heating Applications

