

HybridPACK™ Light Module

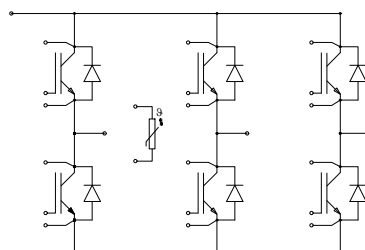
FS200R07A5E3_S6

Final Data Sheet

V3.0, 2015-03-24

Automotive High Power

1 Features / Description



$V_{CES} = 700V$

$I_{C\ nom} = 200A / I_{CRM} = 400A$

Typical Applications

- Hybrid Electrical Vehicles (H)EV
- Optimized for automotive applications with DC link voltages up to 450 V

Electrical Features

- Increased blocking voltage capability to 705V
- Low Switching Losses
- $T_{vj\ op} = 150^{\circ}C$
- Trench IGBT 3
- V_{CESat} with positive Temperature Coefficient

Mechanical Features

- 2.5 kV AC 1min Insulation
- Al_2O_3 Substrate with Low Thermal Resistance
- High mechanical robustness
- Integrated NTC temperature sensor
- Copper Base Plate
- RoHS compliant

Description

The HybridPACK™ Light is a very compact six-pack module (705V/200A) targeting mild hybrid vehicles with power levels up to 20kW. The module is based on established solder and screw interconnections known from HybridPACK™ 1. Improved stray inductance and blocking voltage offer lowest conduction and switching losses especially at inverter maximum ratings.

Product Name	Ordering Code
FS200R07A5E3_S6	SP001150884