



Half bridge Switch Power Module (SCSHBPM1270)

SCS

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Description:

SCSHBPM1270 is easy to use half bridge switch power module (two switches) that integrates high speed gate driver with power devices. These modules are available for all Si, SiC and GaN based power devices. It is a complete power module consists of gate drivers, power devices, snubbers and cooling arrangements.

With this any power converter configuration can be made by using single or multiple modules.

Features

Available for all Si, SiC and GaN based power devices
Max switches voltages up to 1200 Volts
Max switches current up to 70 Amp
Max switching frequency up to 250 kHz
On board snubber capacitor
On board heat sink and cooling fan
Multiple stack formation possible

Applications

This power module is available for wide range of power handling capacities, suitable for several applications. Some of targeted applications are:

- Motor & traction drives
- PFC converters
- DAB converters
- Multi-level converters
- Industrial automation & testing

Block diagram:

