

Smart Highside High Current Power Switch

Manufacturers	Infineon Technologies Corporation
Package/Case	TO-3P-5
Product Type	High-side / low-side switch, the driver, the receiver
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for BTS550P or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

BTS550P is a power switch made by Infineon Technologies AG. It is a high-side power switch with an integrated vertical power MOSFET and control circuitry. The device is designed for use in various automotive and industrial applications that require high current and high voltage switching capabilities.

Features

- Maximum load voltage of 52V
- Continuous output current of 50A
- Low on-resistance of 7.5mOhm
- Overload protection and overtemperature shutdown
- Short-circuit protection
- Wide operating temperature range of -40°C to 150°C
- Compatible with 3.3V and 5V control signals

Application

- Power distribution systems
- Power steering control units
- ABS systems
- Heating, ventilation, and air conditioning (HVAC) systems
- Motor control systems
- Battery management systems



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