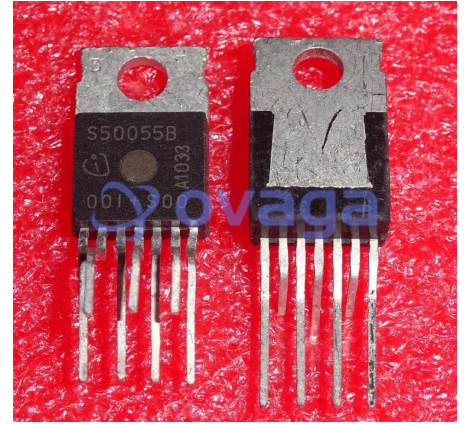


Power Switch ICs - Power Distribution SMART HI SIDE HI CURRENT PWR SWITCH

Manufacturers	Infineon Technologies Corporation
Package/Case	TO-220-7
Product Type	Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for BTS50055-1TMB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

BTS50055-1TMB is a high-side power switch manufactured by Infineon Technologies. It is part of the BTS50055 family of products and is designed for use in automotive applications.

Features

High side power switch with integrated vertical power FET, providing a compact and efficient solution for switching high currents

Low on-resistance of 3.3 mOhm (max) and a nominal load current of 30 A

Overload protection with configurable current limit

Overtemperature protection with thermal shutdown

Integrated diagnostic features including open load detection, short to ground detection, and short to battery detection

Application

Power distribution in automotive systems, including lighting, motors, and other high-current loads

Control of high-power LEDs in automotive headlights and tail lights

Control of windshield wiper motors, power seats, and other automotive accessories



Related Products



[BTS5016-2EKA](#)

Infineon Technologies Corporation
SOP14



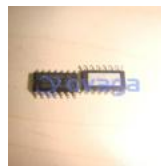
[BTS50050-1EGA](#)

Infineon Technologies Corporation
PG-DSO-12



[BTS5180-2EKA](#)

Infineon Technologies Corporation
sop14



[BTS5045-2EKA](#)

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SOP-14



[BTS5231-2GS](#)

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DSO-14



[BTS5030-2EKA](#)

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[BTS4141N](#)

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SOT-223