

Power Switch ICs - Power Distribution Smart High Side High Current PROFET

Manufacturers	Infineon Technologies Corporation
Package/Case	TO-252-5
Product Type	Switch ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for BTS6163D or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

BTS6163D is a type of power switch IC (integrated circuit) that is used for controlling high current loads in automotive and industrial applications. It is manufactured by Infineon Technologies AG and is a member of their BTS61xxD family of power switches.

Features

It is a high-side power switch, meaning that it is placed in series with the load on the high side of the power supply.

It can handle a maximum continuous current of 45A and can switch on and off with a maximum voltage of 60V.

It has a built-in protection circuitry that provides over-temperature, over-current, and short-circuit protection.

It has a low standby current consumption of less than 50µA.

It operates over a wide temperature range of -40°C to 150°C.

Application

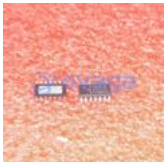
Automotive applications, such as power distribution systems, motor control, and lighting control in cars, trucks, and other vehicles.

Industrial applications, such as power management in factory automation, robotics, and other industrial equipment.

High current load switching in general, such as in LED lighting, power supplies, and battery management.



Related Products



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SOP14



[BTS50050-1EGA](#)

Infineon Technologies Corporation
PG-DSO-12



[BTS5180-2EKA](#)

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SOT-223