

## Smart Highside Power Switch

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	PG-TO263-5
Product Type	High-side / low-side switch, the driver, the receiver
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for BTS442E2E3062A or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

BTS442E2E3062A is a part number for a power switch IC (Integrated Circuit) manufactured by Infineon Technologies. It is a member of the BTS442 series, which is designed for use in automotive and industrial applications that require high-current switching.

## Features

**High switching capability:** The BTS442E2E3062A can handle up to 60V and 40A, making it suitable for a wide range of applications.

**Protection features:** The IC includes a range of protection features such as overvoltage, overcurrent, and overtemperature protection to prevent damage to the device and the circuit it is connected to.

**Low power consumption:** The BTS442E2E3062A has a low quiescent current of just 10uA, which helps to reduce power consumption and extend battery life in portable devices.

## Application

**Automotive systems:** The BTS442E2E3062A is widely used in automotive applications such as power distribution, lighting control, and motor control.

**Industrial systems:** The high current capability and protection features of the BTS442E2E3062A make it suitable for use in industrial systems such as factory automation, robotics, and motor control.

**Consumer electronics:** The low power consumption and high current capability of the BTS442E2E3062A make it useful in portable devices such as power banks, battery chargers, and mobile phones.





## Related Products



### [BTS555E3146](#)

Infineon Technologies Corporation  
TO-218-5



### [BTS612N1](#)

Infineon Technologies Corporation  
TO-220



### [BTS611L1E3128A](#)

Infineon Technologies Corporation  
P-TO220-7



### [BTS412B2](#)

Infineon Technologies Corporation  
TO-220-5



### [BTS432E2E3062A](#)

Infineon Technologies Corporation  
TO-263



### [BTS550P](#)

Infineon Technologies Corporation  
TO-3P-5



[BTS432D2](#)

Infineon Technologies Corporation

TO-263



[BTS621L1E3128A](#)

Infineon Technologies Corporation

TO-263-7