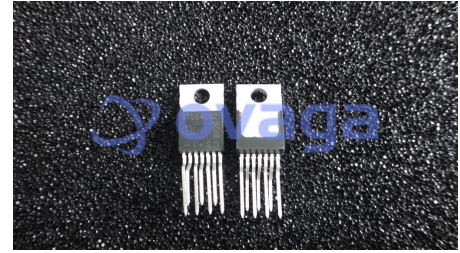


## Smart Sense High-Side Power Switch

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	TO220-7
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for BTS640S2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

BTS640S2 is a specific part number that belongs to the BTS640 series, which is a family of high-side power switch ICs (Integrated Circuits) designed for automotive and industrial applications. These ICs are manufactured by Infineon Technologies, a leading semiconductor company.

### Features

**High-side power switch:** BTS640S2 is designed to control high-side loads in a DC circuit, allowing or interrupting the flow of current to the load.

**Wide input voltage range:** BTS640S2 can operate with input voltages ranging from 5.5V to 40V, making it suitable for a wide range of applications.

**Low on-resistance:** BTS640S2 has low on-resistance, which helps in minimizing power dissipation and improving efficiency.

**Overload and short-circuit protection:** BTS640S2 provides protection against overloads and short-circuits, helping to prevent damage to the load and the IC itself.

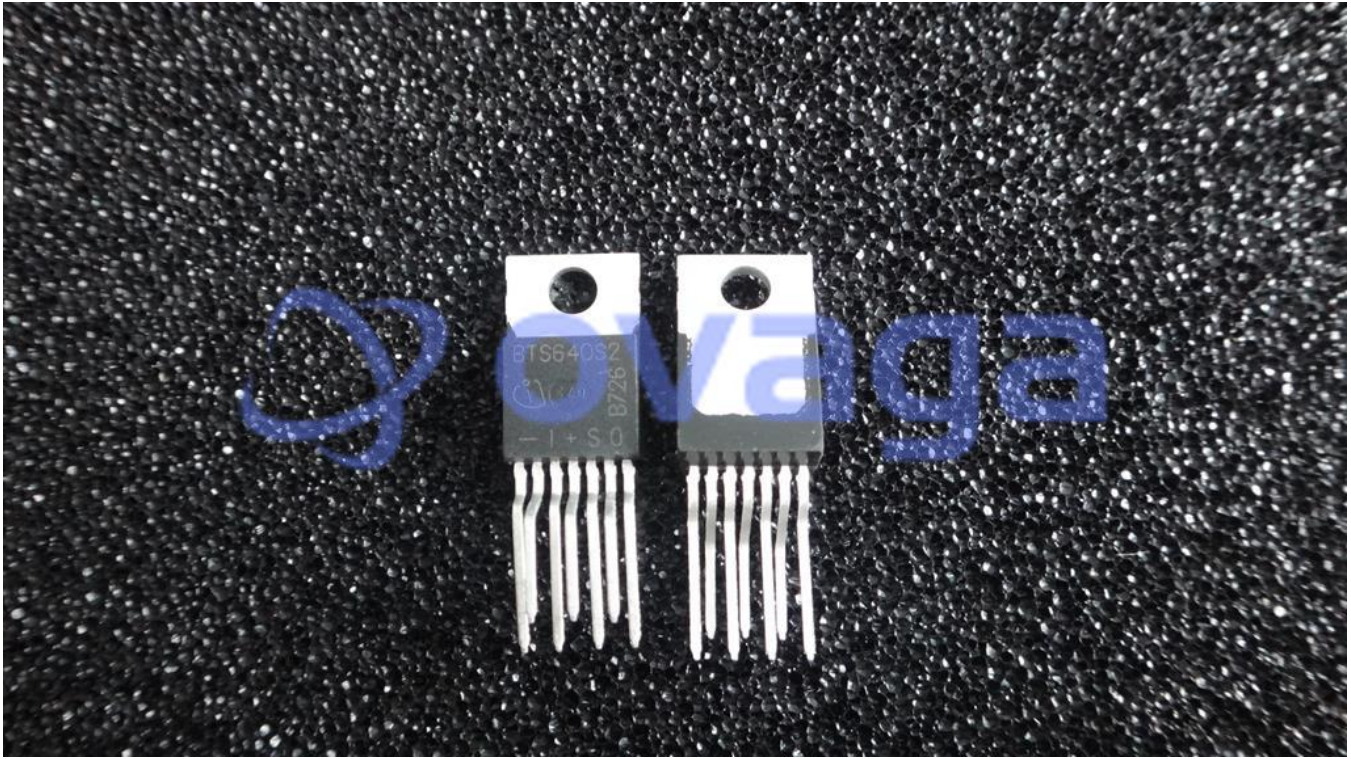
**Fast switching capability:** BTS640S2 has fast switching characteristics, making it suitable for applications that require rapid load switching.

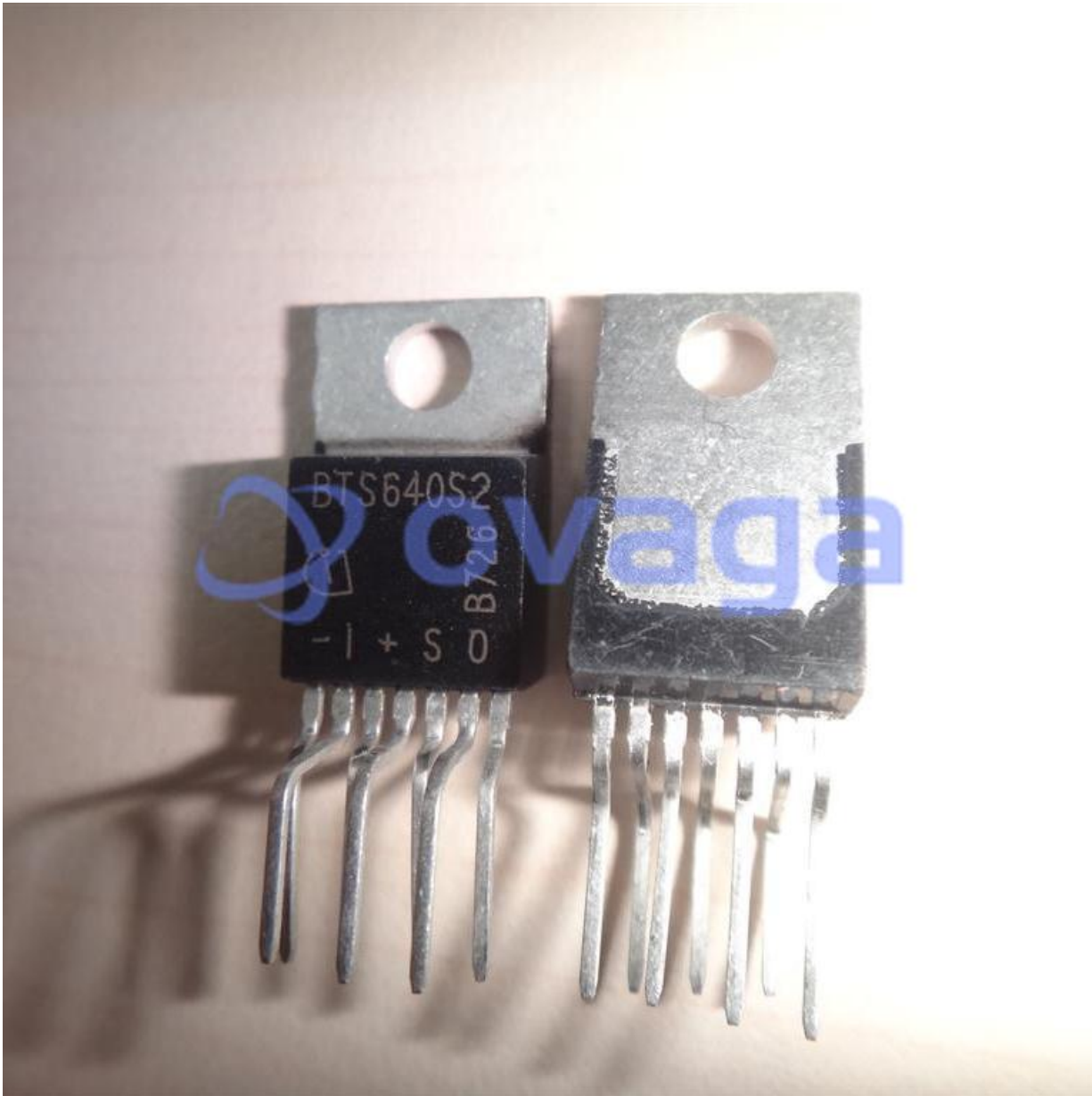
### Application

**Automotive applications:** BTS640S2 is commonly used in automotive systems such as power distribution, lighting control, and motor control.

**Industrial applications:** BTS640S2 can be used in various industrial applications that require high-side load control, such as robotics, automation, and process control.

**General-purpose applications:** BTS640S2 can also be used in general-purpose applications where high-side load control is needed, such as consumer electronics, home appliances, and power management systems.





### Related Products



#### [BTT60302EKAXUMA1](#)

Infineon Technologies Corporation  
SOP-14



#### [BTT6030-1ERA](#)

Infineon Technologies Corporation  
SOP14



#### [BTN8962TAAUMA1](#)

Infineon Technologies Corporation  
TO-263-



#### [BTS707](#)

Infineon Technologies Corporation  
DSO-20



#### [BTS660P](#)

Infineon Technologies Corporation  
TO-263-7



#### [BTS7750GP](#)

Infineon Technologies Corporation  
D2PAK-15



**BTM7710GP**

Infineon Technologies Corporation

P-TO-263-15



**BTS737S3**

Infineon Technologies Corporation

SOP-28