

Fast / Ultrafast Diode, 600 V, 12 A, Single, 2.9 V, 45 ns, 100 A

Manufacturers	STMicroelectronics, Inc
Package/Case	TO-263
Product Type	Diodes & Rectifiers
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for STTH12R06G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

STTH12R06G is a silicon carbide (SiC) Schottky diode manufactured by STMicroelectronics. Here are some of its features:

Features

It has a maximum forward voltage drop of 1.8V at 25°C, which is much lower than that of a typical silicon diode.

It can handle a maximum continuous forward current of 12A and a peak repetitive forward current of 20A.

It has a maximum junction temperature of 175°C, which makes it suitable for high-temperature applications.

It has a fast switching speed and low reverse recovery time, which makes it ideal for high-frequency applications.

It has a compact and rugged design, which makes it suitable for harsh environments.

Application

Power factor correction (PFC) circuits

Boost converters

Flyback converters

Uninterruptible power supplies (UPS)

Solar inverters

Motor drives

Switching power supplies



Related Products



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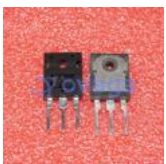
[STPS3H100UF](#)

STMicroelectronics, Inc
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