

POWER SCHOTTKY RECTIFIER,Schottky Diodes 1.0 Amp 40 Volt

Manufacturers	STMicroelectronics, Inc
Package/Case	SOD-123
Product Type	Diodes & Rectifiers
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for STPS140Z or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

STPS140Z is a Schottky rectifier diode manufactured by STMicroelectronics. It is designed to operate in low voltage and high-frequency applications, where low power losses and high efficiency are critical.

Features

- Reverse voltage (VR): 40V
- Average forward current (IFAV): 1A
- Forward voltage drop (VF): 0.43V at 1A
- Low leakage current (IR): 5µA at 25°C
- Operating temperature range: -65°C to 150°C
- Low thermal resistance: 60°C/W junction to ambient
- Package: SOD-123

Application

- Switch-mode power supplies
- DC-DC converters
- Low voltage rectification
- Battery charging circuits
- Polarity protection circuits
- Reverse voltage protection circuits





Related Products



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ST
TO252



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STMicroelectronics, Inc
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[STTH5R06B](#)

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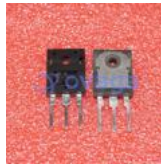
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STMicroelectronics, Inc
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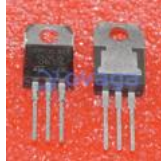
[STPS61150CW](#)

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