

## 製品概要

## MBRS540: Schottky Power Rectifier, Surface Mount, 5.0 A, 40 V

技術情報は、データシートをご参照ください。

This Schottky Rectifier employs the Schottky Barrier principle in a large area metal-to-silicon power diode. State-of-the-art geometry features epitaxial construction with oxide passivation and metal overlay contact. The Schottky Rectifier is ideally suited for low voltage, high frequency rectification, or as free wheeling and polarity protection diodes in surface mount applications where compact size and weight are critical to the system.

## 特長

- Compact Surface Mountable Package with J-Bend leads
  - Rectangular Package for Automated Handling
  - Highly Stable Oxide Passivated Junction
  - Excellent Ability to Withstand Reverse Avalanche Energy Transients
  - Guardring for Stress Protection
  - Cathode Lead Indicated by polarity Notch
  - ESD Ratings, Machine Model = C, Human Body Model = 3B
  - Device Meets MSL 1 Requirements
  - Pb-Free Package is Available
  - AEC-Q101 Qualified and PPAP Capable
- For more features, see the data sheet

## アプリケーション

- ac/dc and dc-dc Converters
- Reverse Battery Protection

## 電氣的仕様

製品	Pricing (\$/Unit)	Compliance	Status	Configuration	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max ( $\mu$ A)	$I_{O(rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_{rr}$ Max (ns)	$C_j$ Max (pF)	Package Type
MBRS540T3G	0.1896	Pb-free	Active	Single	40	0.5	300	5	190	-	-	SMC-2
		Halide free										
NRVBS540T3G	0.264	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	40	0.5	0.3	5	190	-	-	SMC-2

詳細は、弊社 [www.onsemi.jp](http://www.onsemi.jp) の営業または販売代理店にお問い合わせください。

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