

## Product Overview

### MBRS4201: Schottky Power Rectifier, Surface Mount, Fast Soft-Recovery, 4.0 A, 200 V

For complete documentation, see the data sheet.

This Schottky Rectifier is a state-of-the-art high voltage fast-soft recovery Schottky device perfectly designed for use where ultra fast devices fall short in switching performance.

### Features

- Lower Forward Voltage than any Ultrafast Rectifier:  $V_F < 0.61 \text{ V}$  at 150C
- Fast Switching Speed: Reverse Recovery Time ( $t_{RR}$ )  $< 35 \text{ ns}$
- Soft Recovery Characteristics: Softness Factor ( $t_b/t_a$ )  $< 1$
- Highly Stable Over Temperature
- Pb-Free Package is Available
- AEC-Q101 Qualified and PPAP Capable
- NRVB Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements

### Applications

- Engine and Convenience Control Systems
- Motor Controls
- Battery Chargers and Switching Power Supplies

### Part Electrical Specifications

Product	Compliance	Status	Configuration	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max ( $\mu\text{A}$ )	$I_{O(rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_r$ Max (ns)	$C_j$ Max (pF)	Package Type
MBRS4201T3G	Pb-free	Active	Single	200	0.8	0.35	4	100	35	-	SMC-2
	Halide free										
NRVBS4201T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	200	0.8	0.35	4	100	35	-	SMC-2

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Created on: 2/20/2019