

Product Overview

MBRS3201: Schottky Power Rectifier, Surface Mount, Fast Soft-Recovery, 3.0 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: $V_F < 0.59 \text{ V}$ 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 (μA)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_r Max (ns)	C_j Max (pF)	Package Type
MBRS3201T3G	Pb-free	Active	Single	200	0.84	1000	3	100	35	-	SMC-2
	Halide free										
NRVBS3201T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	200	0.84	1000	3	100	35	-	SMC-2

For more information please contact your local sales support at www.onsemi.com.

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