

Product Overview

MBR0530T3G: Schottky Power Rectifier, Surface Mount, 0.5 A, 30 V

For complete documentation, see the data sheet.

The Schottky Rectifier employs the Schottky Barrier principle with a large area metal-to-silicon power diode. It 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.

Features

- Guardring for Stress Protection
- Low Forward Voltage
- 125 C Operating Junction Temperature
- Epoxy Meets UL94, VO at 1/8"
- Package Designed for Optimal Automated Board Assembly
- Mechanical Characteristics:
- Reel Options: MBR0530T1 = 3,000 per 7" reel/8 mm tape
MBR0530T3 = 10,000 per 13" reel/8 mm tape
- Device Marking: B3
- Polarity Designator: Cathode Band
- Weight: 11.7 mg (approximately)
- Case: Epoxy, Molded

For more features, see the data sheet

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (μ A)	$I_{O(ree)}$ Max (A)	I_{FSM} Max (A)	t_r Max (ns)	C_j Max (pF)	Package Type
MBR0530T3G	0.0399	Pb-free	Active	Single	30	0.43	130	0.5	5.5	-	-	SOD-123
		Halide free										
NRVB0530T3G	0.088	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	30	0.43	130	0.5	5.5	-	-	SOD-123

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

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