

## MBR130

# 1.0 A, 30 V, Schottky Power Rectifier, Surface Mount

## Product Overview

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
- ESD Ratings: Machine Model, C; Human Body Model, 3Mechanical Characteristics
- Reel Options: MBR130T1 = 3,000 per 7, reel/8 mm tape MBR130T3 = 10,000 per 13, reel/8 mm tape
- Device Marking: B13
- Polarity Designator: Cathode Band
- Weight: 11.7 mg (approximately)

For more features, see the data sheet

## Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Configuration	V <sub>RRM</sub> Min (V)	V <sub>F</sub> Max (V)	I <sub>RM</sub> Max (µA)	I <sub>O(rec) Max</sub> (A)	I <sub>FSM</sub> Max (A)	t <sub>rr</sub> Max (ns)	C <sub>j</sub> Max (pF)	Package Type
MBR130T1G	0.0499		Active	Single	30	0.45	60	1	5.5	-	-	SOD-123
MBR130T3G	0.05		Active	Single	30	0.45	60	1	5.5	-	-	SOD-123