

MBR0520LT1G

500 mA, 20 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 barrier metal that produces optimal forward voltage drop-reverse current tradeoff. 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. This package provides an alternative to the leadless 34 MELF style package.

Features

- Guardring for Stress Protection
- Very Low Forward Voltage (0.38 V Max @ 0.5 A, 25 C)
- 125 C Operating Junction Temperature
- Epoxy Meets UL94, VO at 1/8"
- Package Designed for Optimal Automated Board Assembly
- Mechanical Characteristics
- Reel Options: MBR0520LT1 = 3,000 per 7" reel/8 mm tape. MBR0520LT3 = 10,000 per 13" reel/8 mm tape.
- Device Marking: B2
- 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 (μA)	I _{O(rec)} Max (A)	I _{FSM} Max (A)	t _{rr} Max (ns)	C _i Max (pF)	Package Type
MBR0520LT1G	0.0421		Active	Single	20	0.385	250	0.5	5.5	-	-	SOD-123