



## Product Overview

### MBRD320: Schottky Barrier Rectifier, 20 V, 3.0 A

For complete documentation, see the data sheet

#### Product Description

The Schottky Rectifier is designed for use as output rectifiers, free wheeling, protection and steering diodes in switching power supplies, inverters and other inductive switching circuits.

#### Features

- Extremely Fast Switching
- Extremely Low Forward Drop
- Platinum Barrier with Avalanche Guardrings

Mechanical Characteristics:

- Case: Epoxy, Molded
- Weight: 0.4 gram (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
- Lead and Mounting Surface Temperature for Soldering Purposes: 260 °C Max. for 10 Seconds
- Shipped 75 units per plastic tube
- Available in 16 mm Tape and Reel, 2500 units per reel, by adding a "T4" suffix to the part number
- Marking: B320, B330, B340, B350, B360

#### Part Electrical Specifications

Product	Compliance	Status	Configuration	$V_{BRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max (uA)	$I_{O(rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_r$ Max (ns)	$C_j$ Max (pF)	Package Type
MBRD320G	Pb-free Halide free	Active	Single	20	0.6	200	3	75	-	-	DPAK-3
MBRD320RLG	Pb-free Halide free	Active	Single	20	0.6	200	3	75	-	-	DPAK-3
MBRD320T4G	Pb-free Halide free	Active	Single	20	0.6	200	3	75	-	-	DPAK-3
SBRD8320G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	20	0.6	200	3	75	-	-	DPAK-3
SBRD8320T4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	20	0.6	200	3	75	-	-	DPAK-3

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