



Product Overview

MBRD650CT: Schottky Power Rectifier, Switch-mode, 6 A, 50 V

For complete documentation, see the data sheet

Product Description

The Schottky Rectifier is designed for use in switching power supplies, inverters and as free wheeling diodes.

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
- Available in 16 mm Tape and Reel, 2500 units per reel, by adding a "T4" suffix to the part number
- Marking: B620T, B630T, B640T, B650T, B660T
- AEC-Q101 Qualified and PPAP Capable

Part Electrical Specifications

Product	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (uA)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_{rr} Max (ns)	C_j Max (pF)	Package Type
MBRD650CTG	Pb-free Halide free	Active	Common Cathode	50	0.9	100	6	75	-	-	DPAK-3
MBRD650CTT4G	Pb-free Halide free	Active	Common Cathode	50	0.9	100	6	75	-	-	DPAK-3
NRVBD650CTG	AEC Qualified PPAP Capable Pb-free Halide free	Active									DPAK-3
NRVBD650CTT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Common Cathode	50	0.9	100	6	75	-	-	DPAK-3

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

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