



## Product Overview

### MBRB2545CT: Schottky Power Rectifier, Switch-mode, 30 A, 45 V

For complete documentation, see the data sheet

#### Product Description

This Schottky Rectifier uses the Schottky Barrier principle with a platinum barrier metal.

#### Features

- Center-Tap Configuration
- Guardring for Stress Protection
- Low Forward Voltage
- 150 C Operating Junction Temperature
- Epoxy Meets UL94, VO at 1/8"
- Guaranteed Reverse Avalanche
- Short Heat Sink Tab Manufactured - Not Sheared!
- Similar in Size to the Industry Standard TO-220 Package

Mechanical Characteristics:

- Case: Epoxy, Molded
- Weight: 1.7 grams (approximately)

#### Part Electrical Specifications

Product	Compliance	Status	Configurat ion	$V_{RRM}$ 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
MBRB2545CTG	Pb-free Halide free	Active	Common Cathode	45	0.82	200	30	150	-	-	D <sup>2</sup> PAK-3
MBRB2545CTT4G	Pb-free Halide free	Active	Common Cathode	45	0.82	200	30	150	-	-	D <sup>2</sup> PAK-3
SBRB2545CTG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Common Cathode	45	0.82	200	30	150	-	-	D <sup>2</sup> PAK-3
SBRB2545CTT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Common Cathode	45	0.82	200	30	150	-	-	D <sup>2</sup> PAK-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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