

## Product Overview

### BAT54W: 200 mA, 30 V, Schottky Diode

For complete documentation, see the data sheet.

This 30 V 200 mA Schottky diode is designed for high speed switching applications, circuit protection and voltage clamping. Extremely low forward voltage reduces conduction loss. The miniature surface mount package is excellent for hand held and portable applications where space is limited.

#### Features

- Extremely Fast Switching Speed
- Extremely Low Forward Voltage Typically with a  $V_F = 350$  mV @  $I_F = 10$  mAdc
- NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC Qualified and PPAP Capable
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

#### Benefits

- Improved efficiency in switching applications

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Configuration	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max ( $\mu$ A)	$I_{O(rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_{rr}$ Max (ns)	$C_j$ Max (pF)	Package Type
BAT54WT1G	0.0265	Pb-free Halide free non AEC-Q and PPAP	Active	Single	30	0.32	2	0.2	0.6	5	10	SC-70-3 / SOT-323-3
NSVBAT54WT1G	0.0307	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	30	0.32	2	0.2	0.6	5	10	SC-70-3 / SOT-323-3

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

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