

## Product Overview

### BAT54T: 200 mA, 30 V, Schottky Barrier Diode

For complete documentation, see the data sheet.

These Schottky barrier diodes are designed for high speed switching applications, circuit protection, and voltage clamping. Extremely low forward voltage reduces conduction loss. Miniature surface mount package is excellent for hand held and portable applications where space is limited.

### Features

- Extremely Fast Switching Speed
- Low Forward Voltage 350 mV (Typ) @  $I_F = 10$  mA
- S Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

### 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
BAT54T1G	0.0351	Pb-free Halide free non AEC-Q and PPAP	Active	Single	30	0.32	2	0.2	0.6	5	10	SOD-123
SBAT54T1G	0.11	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	30	0.32	2	0.2	0.6	5	10	SOD-123

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