



Product Overview

BC846AL: NPN Bipolar Transistor

For complete documentation, see the data sheet

Product Description

The NPN Bipolar Transistor is designed for use in linear and switching applications. The device is housed in the SOT-23 package, which is designed for lower power surface mount applications.

Features

- Moisture Sensitivity Level: 1
- ESD Rating - Human Body Model: >4000 V
ESD Rating - Machine Model: >400 V
- 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

Applications

- ESD Protection
- Polarity Reversal Protection
- Data Line Protection
- Inductive Load Protection
- Steering Logic

Part Electrical Specifications

Product	Compliance	Status	Polarity	I_C Continuous (A)	$V_{(BR)CEO}$ Min (V)	h_{FE} Min	h_{FE} Max	f_T Min (MHz)	P_{TM} Max (W)	Package Type
BC846ALT1G	AEC Qualified Pb-free Halide free	NEW	NPN	0.1	65	110	220	100	0.225	SOT-23-3
BC846ALT3G	AEC Qualified Pb-free Halide free	Active	NPN	0.1	65	110	220	100	0.225	SOT-23-3
SBC846ALT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	NPN	0.1	65	110	220	100	0.225	SOT-23-3

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

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