



## Product Overview

### BC846AL: NPN Bipolar Transistor

For complete documentation, see the data sheet.

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 VESD 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

#### Benefits

- NA
- NA
- NA
- NA

#### Applications

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

#### End Products

- NA

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	Type	V <sub>CE(sat)</sub> Max (V)	I <sub>C</sub> Cont. (A)	V <sub>CEO</sub> Min (V)	V <sub>CBO</sub> (V)	V <sub>EBO</sub> (V)	V <sub>BE(sat)</sub> (V)	V <sub>BE(on)</sub> (V)	h <sub>FE</sub> Min	h <sub>FE</sub> Max	f <sub>T</sub> Min (MHz)	P <sub>TM</sub> Max (W)	Package Type
BC846ALT1G	0.0116	Pb-free Halide free non AEC-Q and PPAP	Active	NPN	General Purpose	0.25	0.1	65	80	6	0.7	0.66	110	220	100	0.225	SOT-23-3
BC846ALT3G	0.0116	Pb-free Halide free non AEC-Q and PPAP	Active	NPN	General Purpose	0.25	0.1	65	80	6	0.7	0.66	110	220	100	0.225	SOT-23-3
SBC846ALT1G	0.0293	AEC Qualified PPAP Capable Pb-free Halide free	Active	NPN	General Purpose	0.25	0.1	65	80	6	0.7	0.66	110	220	100	0.225	SOT-23-3

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