

Product Overview

BC850BL: 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 V
ESD Rating - Machine Model: >400 V
- Pb-Free Packages are Available
- S Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable

Applications

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

Part Electrical Specifications

Product	Compliance	Status	Polarity	Type	$V_{CE(sat)}$ Max (V)	I_C Cont. (A)	V_{CE0} Min (V)	V_{CBO} (V)	V_{EBO} (V)	$V_{BE(sat)}$ (V)	$V_{BE(on)}$ (V)	h_{FE} Min	h_{FE} Max	f_T Min (MHz)	P_{TM} Max (W)	Package Type
BC850BLT1G	Pb-free	Active	NPN	General Purpose	0.25	0.1	45	50	6	0.7	0.66	200	450	100	0.225	SOT-23-3
	Halide free															
NSVBC850BLT1G	AEC Qualified	Active	NPN	General Purpose	0.25	0.1	45	50	6	0.7	0.66	200	450	100	0.225	SOT-23-3
	PPAP Capable															
	Pb-free															
	Halide free															

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