



## Product Overview

### BC850CL: 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
- 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	I <sub>C</sub> Continuous (A)	V <sub>(BR)CEO</sub> Min (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
BC850CLT1G	AEC Qualified	Active	NPN	0.1	45	420	800	100	0.225	SOT-23-3
	Pb-free									
	Halide free									
NSVBC850CLT1G	AEC Qualified	NEW	NPN	0.1	45	420	800	100	0.225	SOT-23-3
	PPAP Capable									
	Pb-free Halide free									

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

Created on: 7/11/2015