

# BCP56-10

## 1.0 A, 80 V NPN Bipolar Junction Transistor

### Product Overview

For complete documentation, see the data sheet.

This 1.0 A, 80 V NPN Bipolar Junction Transistor is designed for use in audio amplifier applications. The device is housed in the SOT-223 package, which is designed for medium power surface mount applications.

PNP Complement:

[BCP53](#)

Different hFE windows available:

[BCP56](#): 40 - 250

BCP56-10: 63 - 160

BCP56-16: 100 - 250

### Features

- Collector current,  $I_C$  = of 1.0 Amp
- The SOT-223 package can be soldered using wave or reflow. The formed leads absorb thermal stress during soldering, eliminating the possibility of damage to the die
- NSV and 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

- High current capable

### Applications

- General

### End Products

- General

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	Type	$V_{CE(sat) Max}$ (V)	$I_C$ Con t. (A)	$V_{CE0 Min}$ (V)	$V_{CBO}$ (V)	$V_{EBO}$ (V)	$V_{BE(sat)}$ (V)	$V_{BE(0)}$ (V)	$h_{FE} Min$	$h_{FE} Max$	$f_T$ Min (MHz)	$P_{TM} Max$ (W)	Package Type
BCP56-10T1G	0.0817		Active	NPN	General Purpose	0.5	1	80	100	5	-	1	63	160	-	1.5	SOT-223-4 / TO-261-4D
NSVBCP56-10T3G	0.0925		Active	NPN	General Purpose	0.5	1	80	100	5	-	1	63	160	-	1.5	SOT-223-4 / TO-261-4D
SBCP56-10T1G	0.0899		Active	NPN	General Purpose	0.5	1	80	100	5	-	1	63	160	-	1.5	SOT-223-4 / TO-261-4D