

Product Overview

BCP56-10: 1.0 A, 80 V NPN Bipolar Junction Transistor

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 Cont. (A)	V_{CEO} Min (V)	V_{CBO} (V)	V_{EBO} (V)	$V_{BE(sat)}$ (V)	$V_{BE(O)}$ (V)	h_{FE} Min	h_{FE} Max	f_T Min (MHz)	P_{TM} Max (W)	Package Type
BCP56-10T1G	0.0827	Pb-free Halide free non AEC-Q and PPAP	Active	NPN	General Purpose	0.5	1	80	100	5	-	1	63	160	-	1.5	SOT-223-4 / TO-261-4D
BCP56-10T3G	0.0827	Pb-free Halide free non AEC-Q and PPAP	Active	NPN	General Purpose	0.5	1	80	100	5	-	1	63	160	-	1.5	SOT-223-4 / TO-261-4D
NSVBCP56-10T3G	0.12	AEC Qualified PPAP Capable Pb-free Halide free	Active	NPN	General Purpose	0.5	1	80	100	5	-	1	63	160	-	1.5	SOT-223-4 / TO-261-4D
SBCP56-10T1G	0.12	AEC Qualified PPAP Capable Pb-free Halide free	Active	NPN	General Purpose	0.5	1	80	100	5	-	1	63	160	-	1.5	SOT-223-4 / TO-261-4D

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

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