

BCP53

PNP 80 V Bipolar Transistor

Product Overview


For complete documentation, see the data sheet.

This PNP Bipolar Transistor is designed for general purpose amplifier applications. It is housed in the SOT-223, which is designed for low power surface mount applications.

Features

- High Current: 1.5 Amps
- NPN Complement is BCP56
- 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
- Available in 12 mm Tape and Reel Use BCP53T1G to order the 7 inch/1000 unit reel. Use BCP53T3G to order the 13 inch/4000 unit reel.
- Device Marking:BCP53 = AHBCP53-10 = AH-10BCP53-16 = AH-16
- These Devices are PbFree, Halogen Free/BFR Free and are RoHS Compliant

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	Type	$V_{CE(sat)}^{(s)}$ Max (V)	I_C Cont. (A)	$V_{CE0}^{(s)}$ Min (V)	V_{CBO} (V)	V_{EBO} (V)	$V_{BE(sat)}^{(s)}$ (V)	$V_{BE(on)}^{(s)}$ (V)	$h_{FE}^{(s)}$ Min	$h_{FE}^{(s)}$ Max	f_T Min (MHz)	P_{TM} Max (W)	Package Type
BCP53-10T1G	0.0827	 	Active	PNP	General Purpose	0.5	1.5	80	100	5	-	1	63	160	50	1.5	SOT-223-4 / TO-261-4D
BCP53-16T1G	0.0827	 	Active	PNP	General Purpose	0.5	1.5	80	100	5	-	1	100	250	50	1.5	SOT-223-4 / TO-261-4D
BCP53-16T3G	0.0592	 	Active	PNP	General Purpose	0.5	1.5	80	100	5	-	1	100	250	50	1.5	SOT-223-4 / TO-261-4D
BCP53T1G	0.0827	 	Active	PNP	General Purpose	0.5	1.5	80	100	5	-	1	40	250	50	1.5	SOT-223-4 / TO-261-4D
NSVBCP53-16T3G	0.12	  	Active	PNP	General Purpose	0.5	1.5	80	100	5	-	1	100	250	50	1.5	SOT-223-4 / TO-261-4D
SBCP53-10T1G	0.0911	  	Active	PNP	General Purpose	0.5	1.5	80	100	5	-	1	63	160	50	1.5	SOT-223-4 / TO-261-4D
SBCP53-16T1G	0.0911	  	Active	PNP	General Purpose	0.5	1.5	80	100	5	-	1	100	250	50	1.5	SOT-223-4 / TO-261-4D
SBCP53T1G	0.0911	  	Active	PNP	General Purpose	0.5	1.5	80	100	5	-	1	40	250	50	1.5	SOT-223-4 / TO-261-4D