

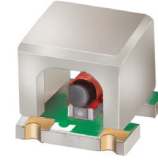
Surface Mount **Bias Tee** *New Product Announcement!*

TCBT-14+

50Ω Wideband 10 MHz to 10 GHz

The Big Deal

- Extremely Wideband
- Very high DC current up to 200mA
- Very low insertion loss, <1dB
- Well matched, VSWR1.1:1



CASE STYLE: GU1414

Pricing: \$8.45 (QTY 10-49)

Product Overview

TCBT-14+ is the world's smallest footprint wideband Bias-Tee measuring 3.8 mm x 3.8 mm which utilizes a unique design to cover a frequency range of 10 MHz to 10 GHz without resonances that are typically observed over such broad bands. It is designed to handle 1W of RF power and 200 mA current and is suitable for automated pick and place operation.

Key Features

Feature	Advantages
Extremely wideband: 10 MHz to 10 GHz	Broad bandwidth enables biasing of wideband MMIC amplifiers or other active circuits starting at extremely low frequencies through microwave bands.
DC Current, 200 mA	Able to support most Class-A MMIC amplifiers with a P1dB of up to 22 dBm need less than 200 mA.
Low Insertion Loss: 0.2 dB typ. To 3 GHz 0.5 dB typ. to 5 GHz 1.0 dB typ. at 10 GHz	When used at the output of the amplifiers in a typical bias application; the low loss of the TCBT-14+ exhibits minimal impact on gain and over temperature improving reliability.
Excellent matching: 1:1.1 over 0.1- 4 GHz 1.2:1 over entire band	Excellent VSWR of TCBT minimizes interaction effects and resulting gain ripple. Use of TCBT-14+ with Mini-Circuits MMIC amplifiers has shown performance improvements over traditional L-C networks over the entire band.



For detailed performance specs & shopping online see web site

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IF/RF MICROWAVE COMPONENTS

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.