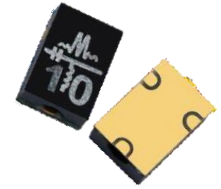


1506 Bias-T

BT2003



20 MHz to 10 GHz Miniature Surface Mount Bias Tee

The bias tee offers the ability to apply or detect a DC voltage on a high frequency signal. Using a custom-made, resonance-free conical inductor to achieve extremely broadband performance. By minimizing the overall inductor size and using proprietary packaging techniques, the BT2003 is a superior option in terms of performance, reliability and ease-of-use when compared to cumbersome user-designed bias tees employing off-the-shelf conical inductors.

FEATURES

- Frequency Range 20 MHz to 10 GHz
- 1 Watt RF Power Handling
- Miniature Surface Mount Package
- Reflow Solderable

USE IN

- Wideband Amplifier
- Fiber Optic Communication
- Laser Driven
- Optical Modulator Drive
- GPS Active Antenna

	20 MHz to 30 MHz	2.5 dB typ.
	30 MHz to 100 MHz	1 dB typ.; 2.5 dB max.
Insertion Loss	100 MHz to 3 GHz	0.5 dB typ.; 0.8 dB max.
	3 GHz to 7 GHz	0.8 dB typ.; 1 dB max.
	7 GHz to 10 GHz	1 dB typ.; 2 dB max.
DC Current		500 mA max.
DC Resistance		1 Ohms typ. min.
Capacitance		1 μ F typ.
Inductance	20 MHz to 10 GHz	320 nH typ.
DC Port Isolation		40 dB typ.
DC Voltage		30 V max.
RF Power		1 W max.

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.

1) Connector FC/APC, 900 μ m, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.