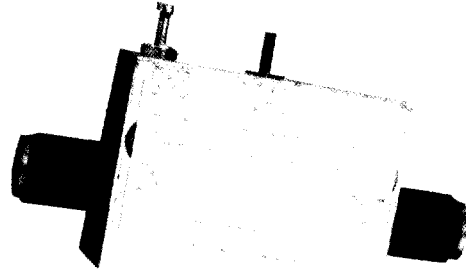


Bias Tees



RLC Electronics' Bias Tees offer excellent performance over the frequency range of .1 to 18 GHz. These units are used to inject a DC current or voltage into an RF circuit without

affecting the flow of RF through the main transmission path. Typical applications include biasing amplifiers, DC return, DC blocking, as well as other various digital and analog uses.

Specifications

BT - 1 - 2

Model No.	Frequency Range (GHz)	Connectors (as req'd)
BT-0115	.1 - 1.5	IN/OUT
BT-1025	1 - 2.5	IN/OUT
BT-2050	2 - 5.0	IN/OUT
BT-40124	4 - 12.4	IN/OUT
BT-70180	7 - 18.0	IN/OUT

Impedance: 50 ohms

RF Power: 25 watts average

DC Current: 750 ma maximum

VSWR: 1.3:1 maximum

Insertion Loss: .4dB maximum

Environment: MIL-E-5400, Class 1A

EXCEPT operating temperature
-55°C to +85°C

To designate the bias tee desired use:

- (1) 0115, 1025, etc. for model number
- (2) (SMA) for connectors - add MM (male/male), FF (female/female), MF (male/female), FM (female/male)

Note: Connector orientation & designation shall always be considered as IN/OUT IN (left)/OUT (right) when referencing drawing

Example: BT-0115-FF is a .1 - 1.5 GHz with female/female connectors Bias Tee

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc. can be furnished upon request.

ISO 9002 Certified

Specifications subject to change without notice.

RLC ELECTRONICS, INC.

83 Radio Circle, Mt. Kisco, NY 10549

(914) 241-1334 • FAX (914) 241-1753

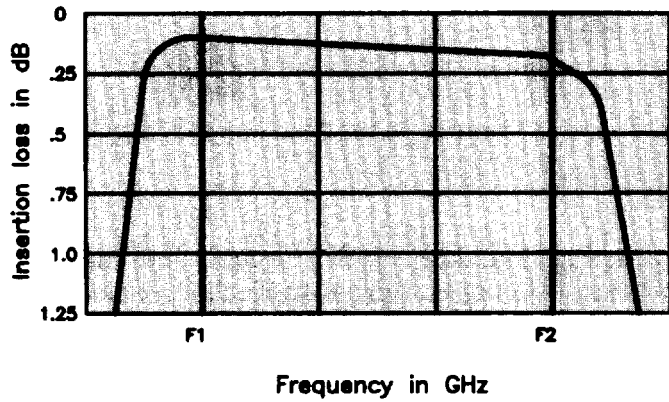
E-mail: sales@rlcelectronics.com

www.rlcelectronics.com

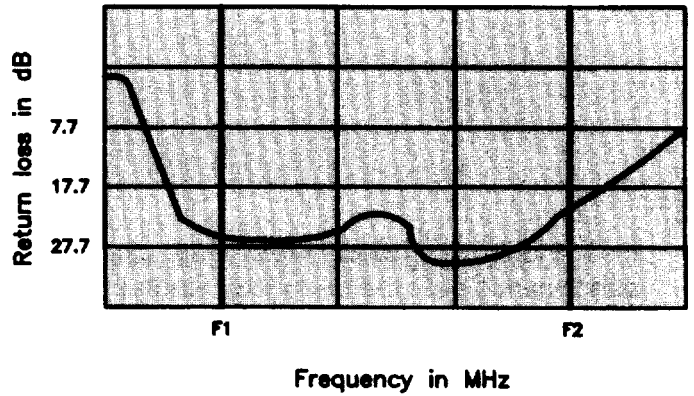


Typical Operating Curves

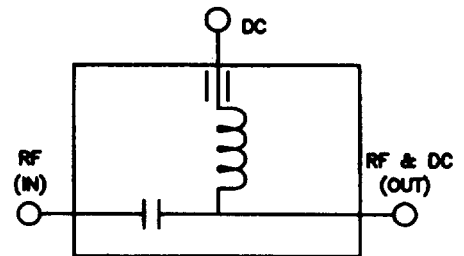
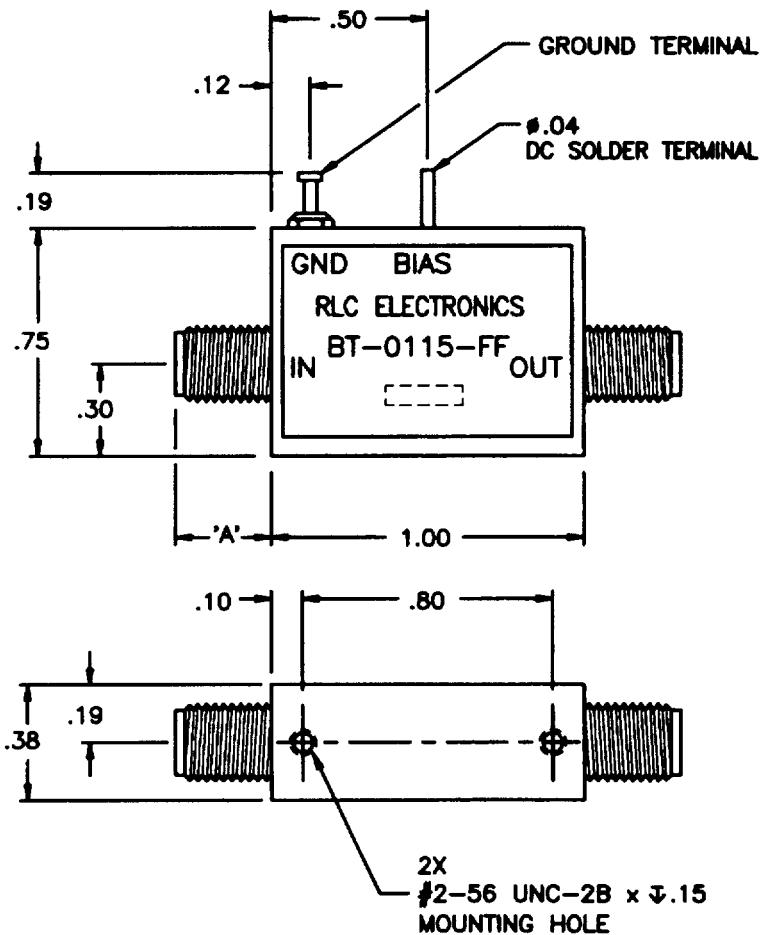
Insertion loss Vs. Frequency



Return loss Vs. Frequency



Outline



Schematic

SMA CONNECTOR	'A'
M (male)	.38
F (female)	.31

Tolerances unless otherwise specified are .xx ±.02, .xxx ±.005

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