## **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	Frequency	Connectors
Number	Range (GHz)	(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

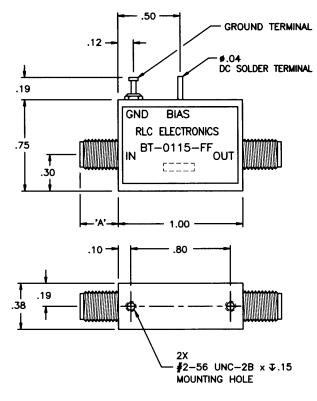
Environment: MIL-E-5400, Class 1A except operating temperature -55°C to +85°C

#### To designate the bias tee desired use:

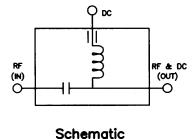
(1) 0115, 1025, etc. for model number

(2) (SMA) for connectors - add MM (male/male), FF (female/female), MF (male/female), FM (female/male)

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



### **Outline Drawing**



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

Tolerances unless otherwise specified are:  $.xx \pm .02$ ,  $.xxx \pm .005$ 



## RLC ELECTRONICS, INC.