

Coaxial Bias-Tee

50Ω Wideband 2.5 to 6000 MHz

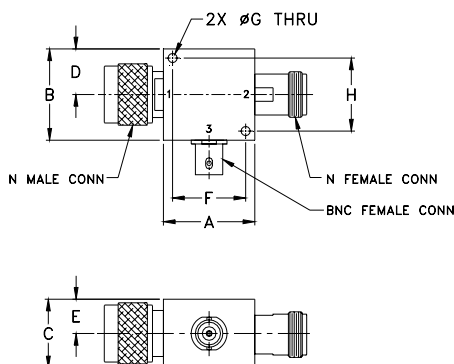
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Input Current	500mA
RF Power	30 dBm
Voltage at DC Port	30V
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

RF	1 (N-Type male)
RF&DC	2 (N-Type female)
DC	3 (BNC female)

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	wt
1.25	1.25	.94	.63	.47	1.00	.125	1.000	grams
31.75	31.75	23.88	16.00	11.94	25.40	3.18	25.40	117.0

Features

- wideband coverage, 2.5 to 6000 MHz
- low insertion loss, 0.6 dB typ.
- high power, 1W & current, 0.5A

Applications

- biasing amplifiers
- biasing of laser diodes
- biasing of active antennas
- test accessory

Bias Tee Electrical Specifications

MODEL NO.	FREQ. (MHz)	INSERTION LOSS* (dB)						ISOLATION*(dB) (RF port to DC port) (RF&DC port to DC port)						VSWR** (:1)					
		L		M		U		L		M		U		L		M		U	
		f _l	f _h	Typ.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.

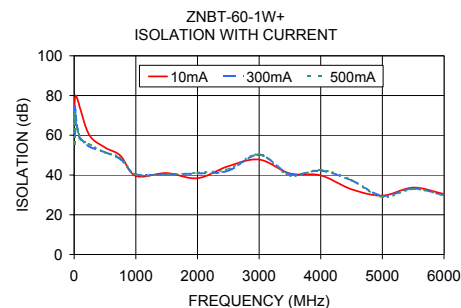
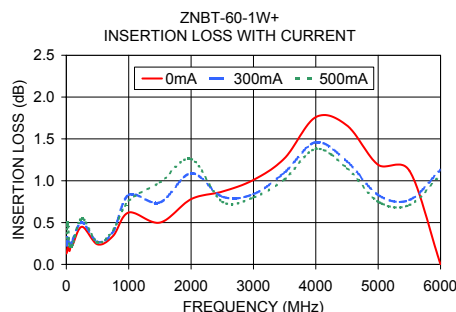
L= 2.5 - 25 MHz M= 25 - 3000 MHz U= 3000 - 6000 MHz

* Insertion Loss and Isolation are guaranteed up to 20 dBm-RF power and 200mA DC current.

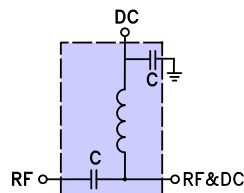
** VSWR measured with open and short at DC port.

Typical Performance Data

Freq. (MHz)	Pin (dBm)	INSERTION LOSS (dB) with current							ISOLATION (dB) (Pin=-10dBm) with current						
		0mA	100mA	200mA	300mA	400mA	500mA	10mA	100mA	200mA	300mA	400mA	500mA		



Electrical Schematic



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document 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



www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

ZNBT-60-1W+



CASE STYLE: K558

Connectors	Model
N-TYPE/BNC	ZNBT-60-1W+

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

REV. E
M151107
ZNBT-60-1W+
ED-6605/1
RS/CP/AM
151007

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Mini-Circuits:](#)

[ZNBT-60-1W+](#)