

DESCRIPTION

AMCOM's AM000100PM-BT is a broadband bias tee. It has less than 1.0dB insertion loss and better than 1.4:1 VSWR over the 0.05GHz to 10.0GHz band. The AM000100PM-BT is in a small Aluminum housing with RF input and output SMA connectors. The bias tee can handle around 1W of RF power and can have up to 2.5A of DC current.

FEATURES

- Broadband from 0.05GHz to 10.0GHz
- Power handling is 30 dBm
- Typical 0.75dB Insertion Loss
- Input & output matched to 50 Ohms

APPLICATIONS

- Instrumentation
- Lab Measurements
- Device characterization

TYPICAL PERFORMANCE *

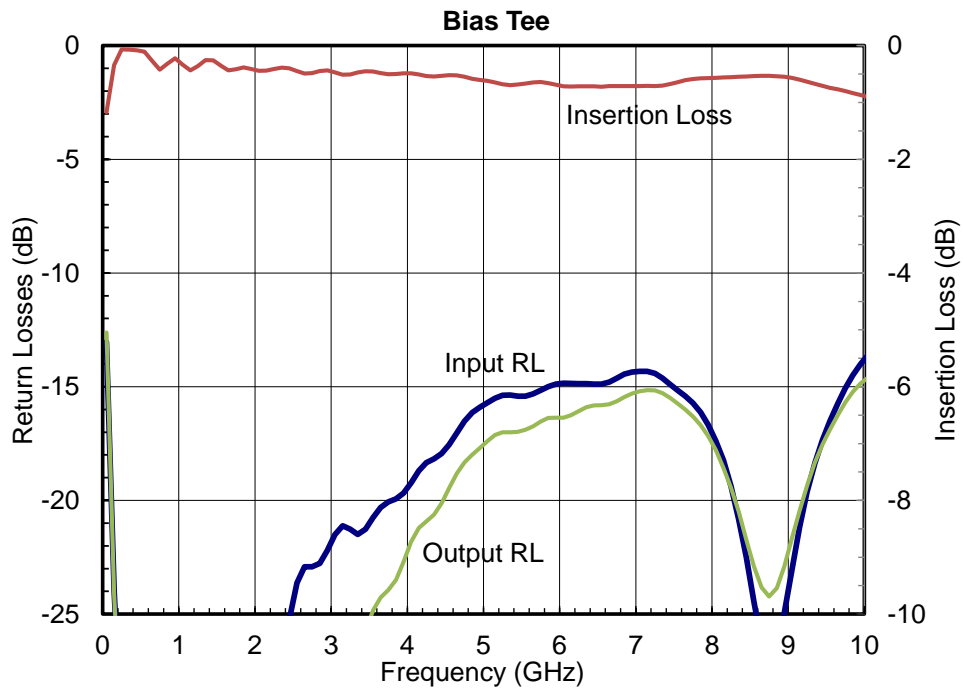
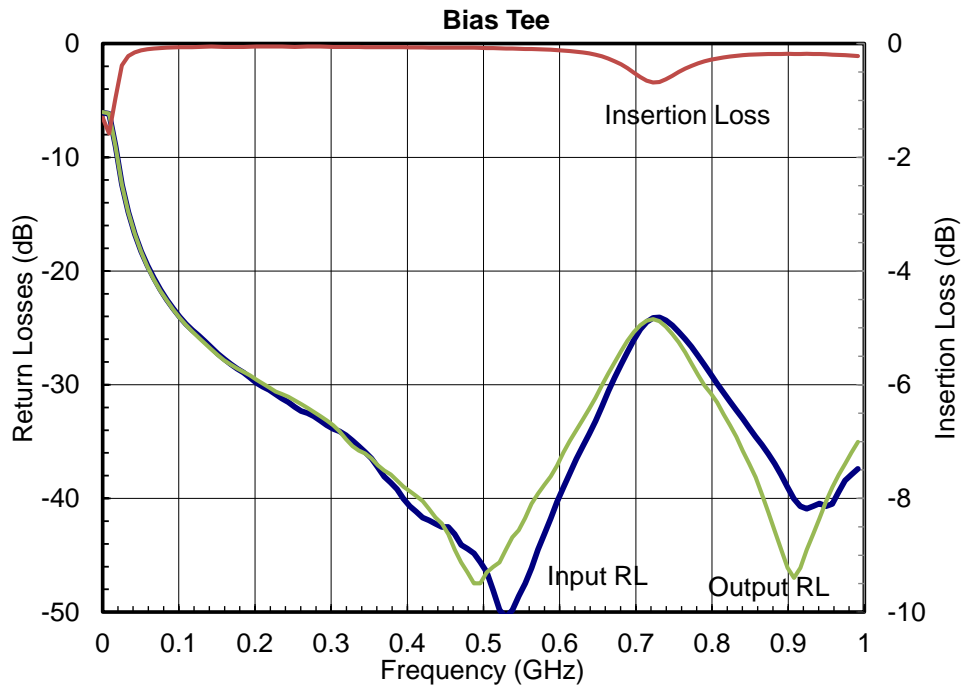
Parameters	Minimum	Typical	Maximum
Frequency	0.1GHz – 8GHz	0.05GHz – 10GHz	
Insertion Loss	-	0.75dB	1.0dB
Input Return Loss	12dB	15dB	
Output Return Loss	12dB	15dB	
DC Current Handling	-	2.0A	2.5A
RF Power Handling	-	30dBm	33dBm

* Specifications subject to change without notice

ABSOLUTE MAXIMUM RATING

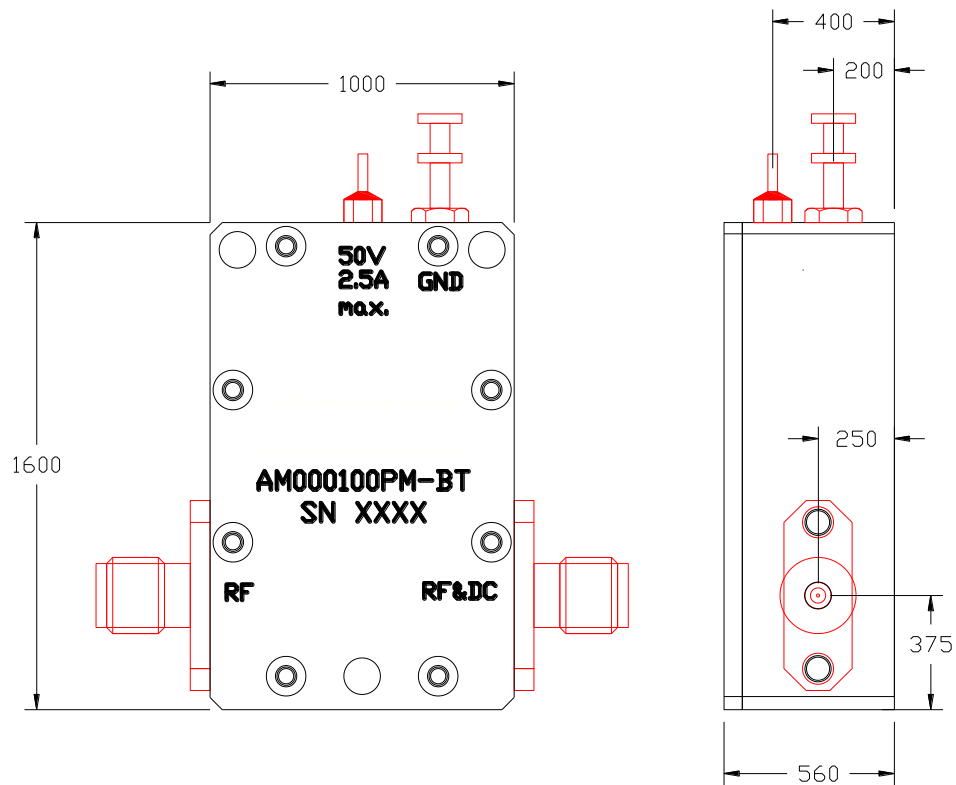
Parameters	Symbol	Rating
DC Voltage	Vdc	50V
DC Current	Idc	2.5A
RF Power	Pin	33dBm

SMALL SIGNAL DATA*



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PACKAGE OUTLINE*



* Dimensions in mils

Notes:

- 1- Maximum DC current through bias pin is 2.5A.
- 2- Maximum RF power is 33dBm
- 3- Maximum DC voltage is 50V.
- 4- Input and output Female SMA connectors.