

DESCRIPTION

AMCOM's AM000200PM-BT is a broadband bias tee. It has less than 1.0dB insertion loss and better than 1.4:1 VSWR over the 300kHz to 20.0GHz band. The AM000200PM-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 1A of DC current.

FEATURES

- Broadband from 300kHz to 20.0GHz
- Power handling is 30 dBm
- Typical 0.75dB Insertion Loss
- Input & output matched to 50 Ohms

APPLICATIONS

- Instrumentation
- Lab Measurements
- Device characterization

TYPICAL PERFORMANCE *

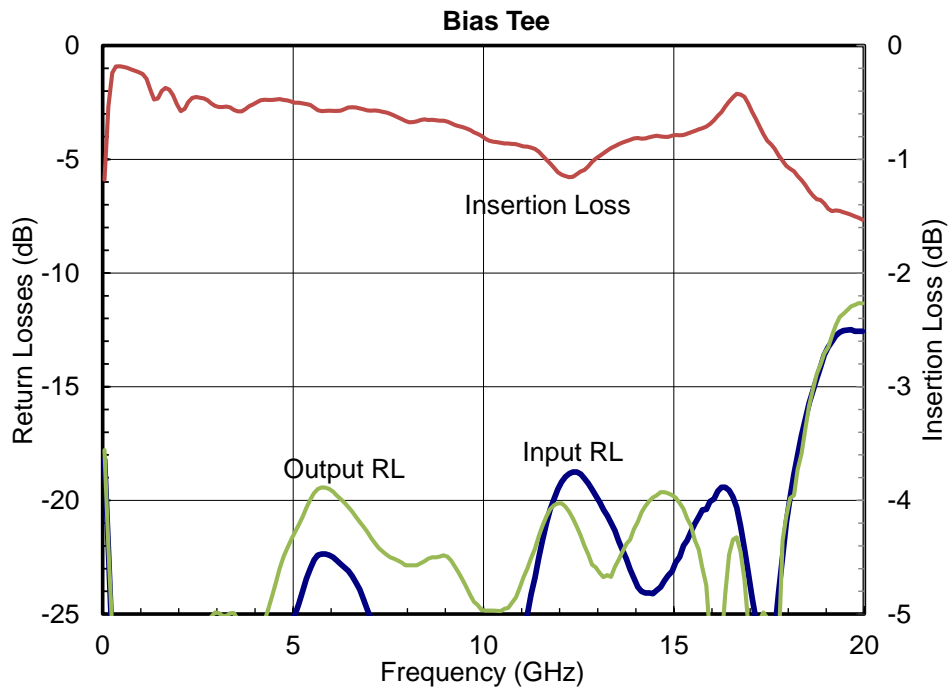
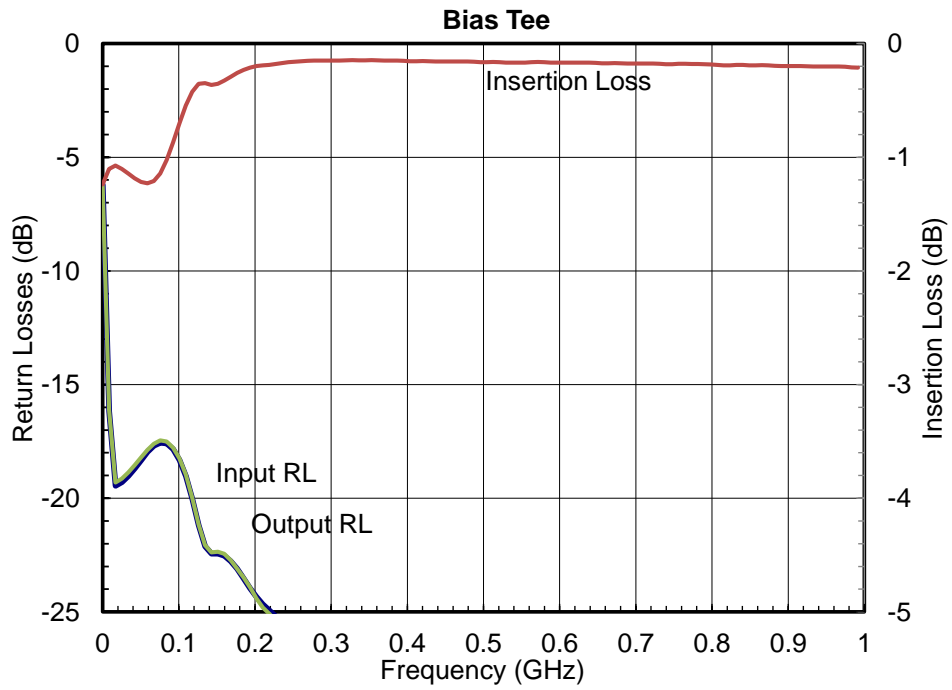
| Parameters | Minimum | Typical | Maximum |
|---------------------|----------------|----------------|---------|
| Frequency | 500kHz – 18GHz | 300kHz – 20GHz | |
| Insertion Loss | - | 0.75dB | 1.5dB |
| Input Return Loss | 13dB | 20dB | |
| Output Return Loss | 13dB | 20dB | |
| DC Current Handling | - | 0.8A | 1.0A |
| RF Power Handling | - | 30dBm | 33dBm |

* Specifications subject to change without notice

ABSOLUTE MAXIMUM RATING

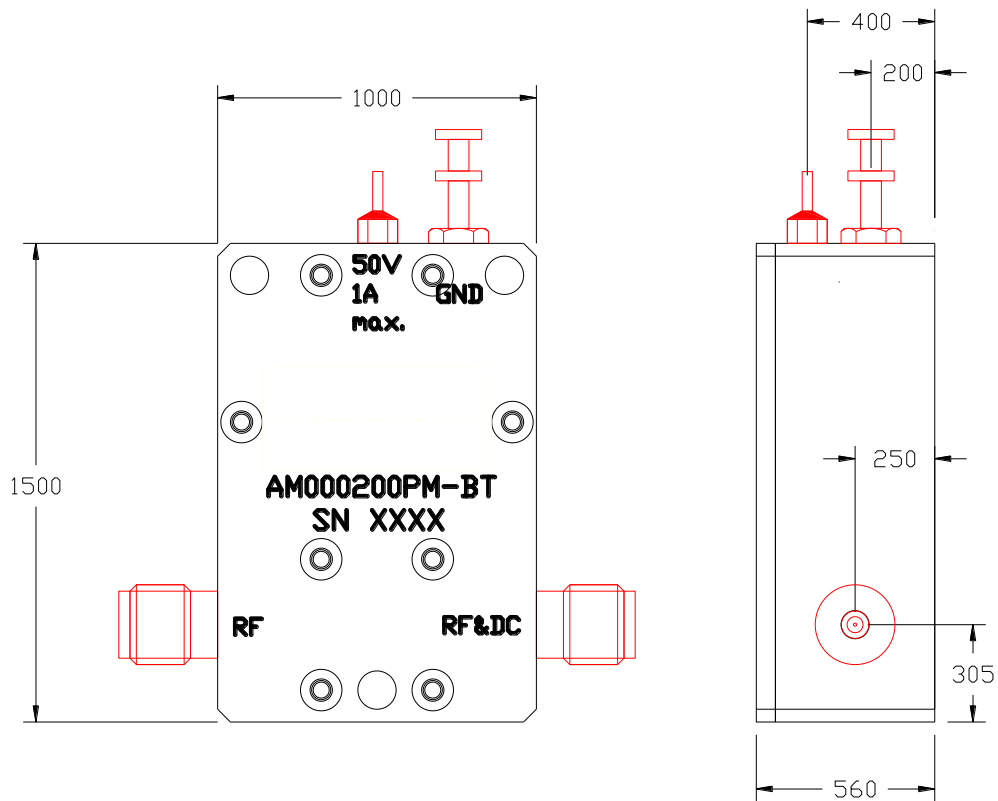
| Parameters | Symbol | Rating |
|------------|--------|--------|
| DC Voltage | Vdc | 50V |
| DC Current | Idc | 1.0A |
| RF Power | Pin | 33dBm |

SMALL SIGNAL DATA*



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PACKAGE OUTLINE*



* Dimensions in mils

Notes:

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