

BT-1000V2A5G High Voltage Bias Tee

1. Description

The BT-1000V2A5G is a wide-band bias tee designed to bias high voltage pulsed measurements. It comes housed in a shielded package 51.8 mm x 21.3 mm x 16.7 mm. The BT-1000V2A5G is impedance-matched for 50 Ω . Maximum DC ratings are 1000 V and 2 A, and 10 A can be handled for single-shot 100 ms signals.



2. Features

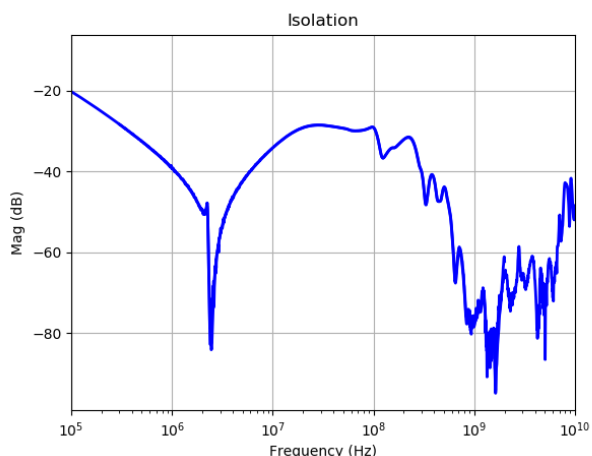
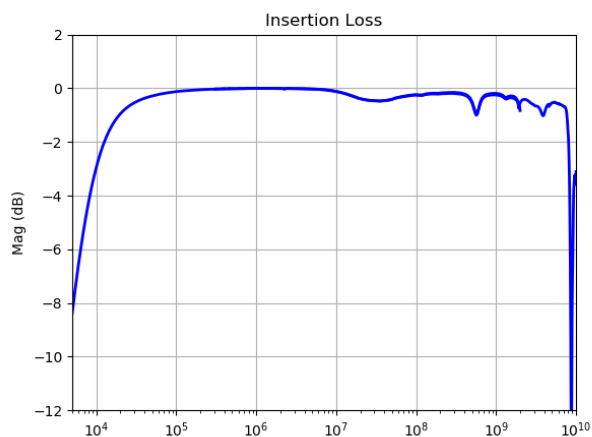
- 10 kHz to 5 GHz range
- Less than a 1 dB insertion loss
- Handles up to a 3 kV pulsed signal
- Impedance-matched for 50 Ω
- High DC ratings

3. Applications

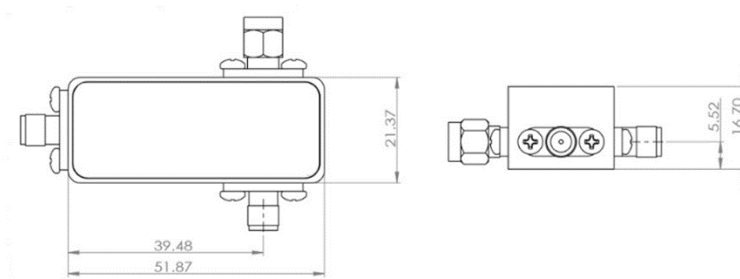
- Biasing HV Pulses
- DC blocking
- Biasing RF signals

4. Specifications

Parameters	BT-1000V2A5G	Unit	Comments
Operating temperature	0 to 60	°C	
Max DC input current	2	A	
Max DC input voltage	1000	V	
Max TLP current	150	A	Pulse tested with 500 ns
1dB-Bandwidth	20k – 7.5G	Hz	
3dB-Bandwidth	10k – 8.2G	Hz	
Max insertion loss	1	dB	Within 30 kHz - 5 GHz



5. Dimensions



6. Ordering Information

Line	Part # or Option #	Description	Status
1	BT-1000V2A5G	BT-1000V2A5G High Voltage Bias Tee	Active