

ES62X-BT2 High Voltage TLP Bias Tee



1. Description

The ES62X- BT2 is a wide-band bias tee designed to bias High Voltage Pulsed measurements, such as TLP. The bias tee is paired with a separate inductor module (BT-I330), that extends the bias tee's low frequency bandwidth when attached. The bias tee and inductor module both come housed in a shielded package with dimensions of (51.9 mm x 21.4 mm x 16.7 mm) and (62.8 mm x 40.0 mm x 25.0 mm), respectively. The ES62X- BT2 is impedance matched for 50 Ohms.

2. Features

- 10 kHz to 6 GHz range
- Handles up to a 3 kV pulsed signal
- Impedance matched for 50 Ohms
- High DC ratings

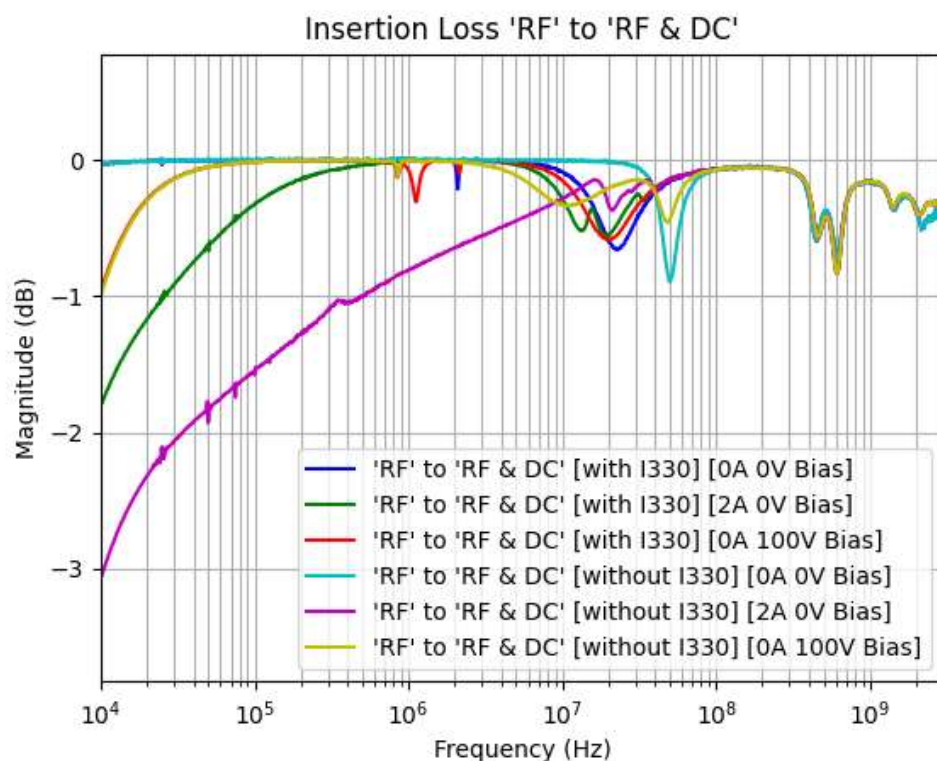
3. Applications

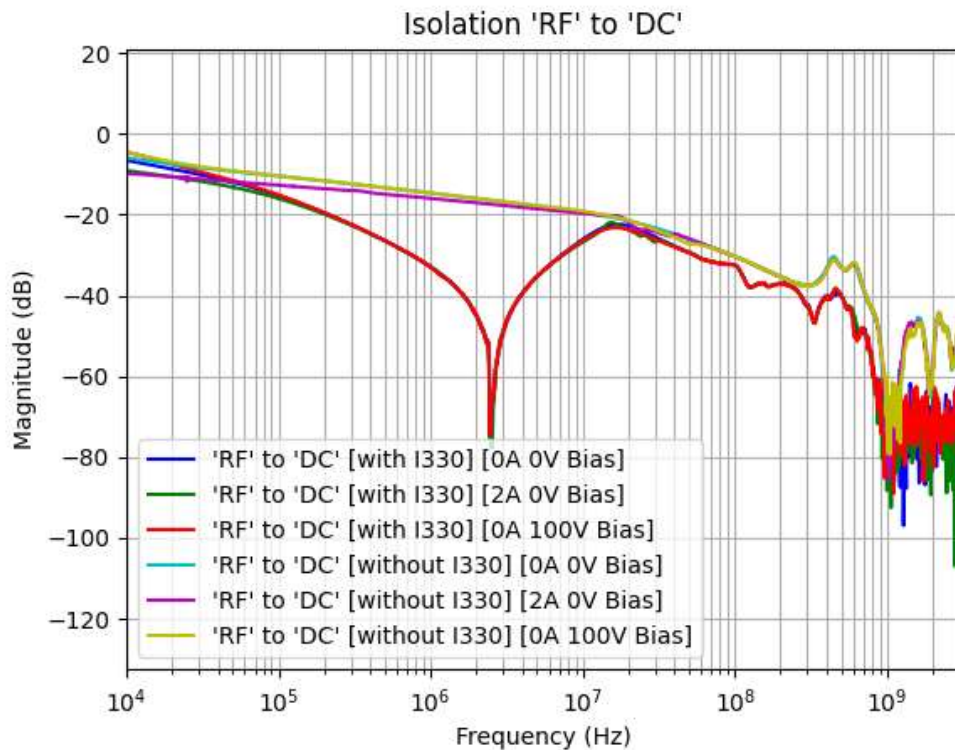
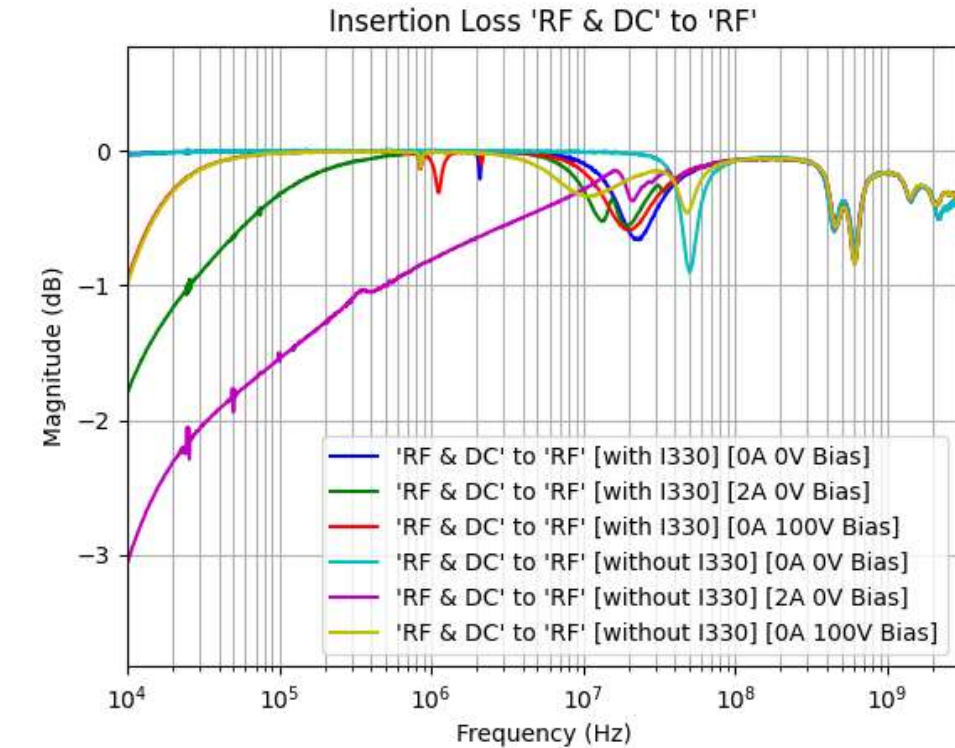
- Biasing HV Pulsed
- DC blocking
- Biasing RF signals

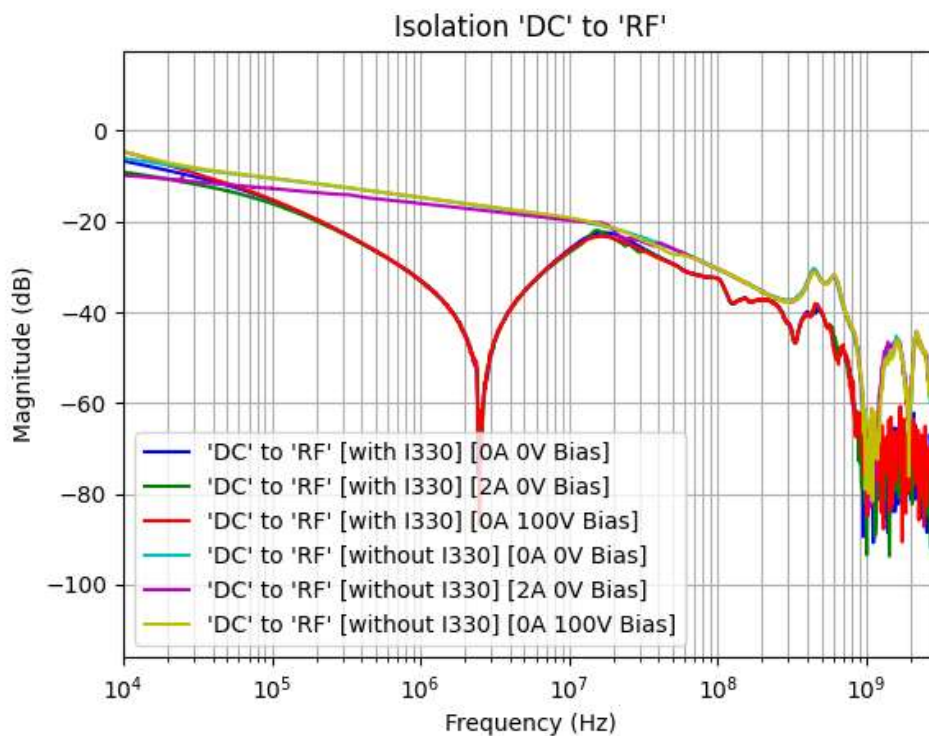
4. Specifications

Parameters	Nominal Values	Unit	Comments
operating temperature	0 to 60	°C	
Max DC input current	2	A	
Max DC input voltage	100	V	
Max TLP current	100	A	
Bandwidth	10k – 6G	Hz	
Max insertion loss	3	dB	Within 10 kHz - 6 GHz

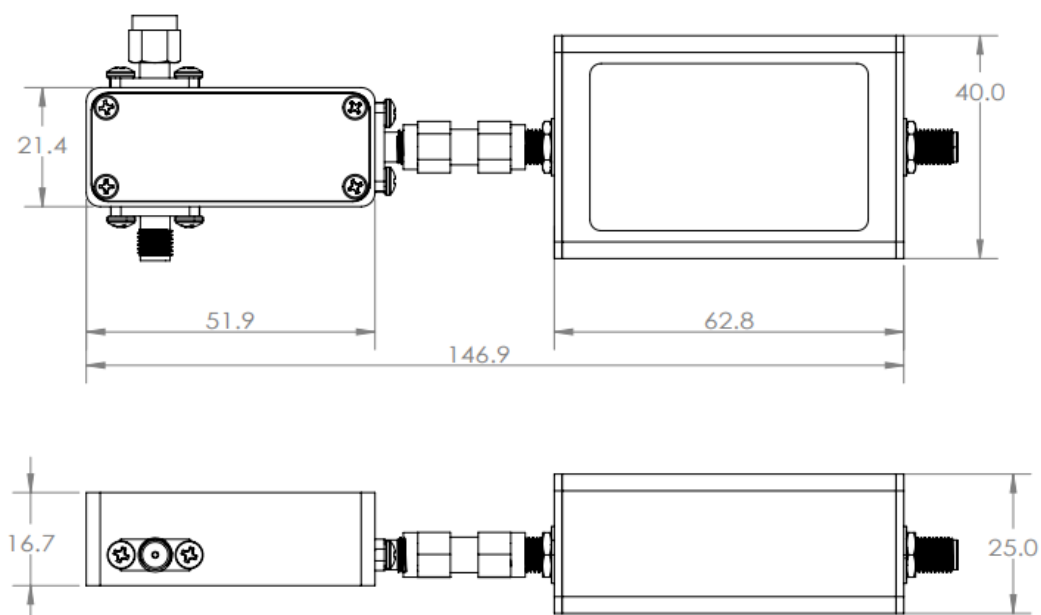
Typical Frequency Response Curves:







5. Dimensions



6. Ordering Information

Part Number	Description	Status
ES62x-BT2	Wide band bias tee used to bias TLP and HMM measurements	Active