

2 kV, 2 A, 7.7 mH Bias Tee Range Extension Inductor BTREI-7

Advanced TLP/HMM/HBM Solutions

1 Features

- Frequency range extension inductor for bias tees BT-10100x and BT-101000x
- 2 kV voltage
- 2 A DC, 10 A peak pulse current
- BNC (f) / BNC (m) connectors

The range extension inductor BTREI-7 is used to lower the -1 dB cutoff frequency of the BT-10100B and BT-101000B bias tees to 7 kHz.

2 Characteristics

| | | |
|-------------------------------------|-----|----|
| Maximum voltage | 2 | kV |
| Maximum DC current | 2 | A |
| Maximum pulse current ¹⁾ | 10 | A |
| Inductance ²⁾ | 7.7 | mH |
| Resistance | 67 | mΩ |

¹⁾ 10 % duty cycle

²⁾ small signal

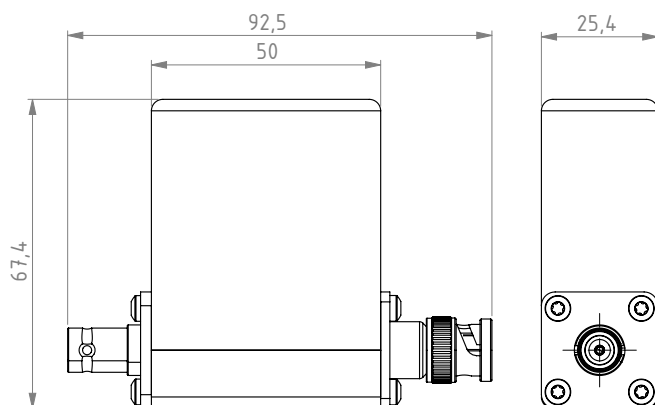
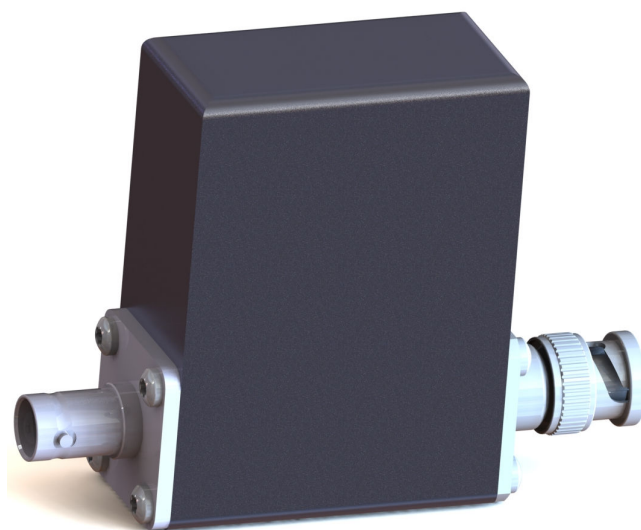


Figure 1: BTREI-7 dimensions in [mm]



3 Ordering Information

| Pos. | Description | Part No. |
|------|---|----------|
| 01 | 2 kV, 2 A, 7.7 mH Bias Tee Range Extension Inductor | BTREI-7 |

General

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