

B-WIT 100

Wideband Injection Transformer



The wideband injection transformer **B-WIT 100** is the perfect choice for **inserting signals** into a high variety of electronic circuits such as **control loops** or switched mode power supplies. Together with the Vector Network Analyzer Bode 100 the B-WIT 100 simplifies the **stability assessment** of electronic control circuits.

Key Features

- Optimized for the signal insertion into control loops of any kind
- Extremely wide usable frequency range: 1 Hz – 10 MHz
- Highest linearity
- Low insertion loss
- 600 V CAT II isolation
- CE compliant, RoHS compliant

Connectors

- **Input:** BNC (outer conductor connected to the housing)
- **Isolated Output:** 4 mm banana jacks (delivery includes a BNC-to-banana adapter)
- **Protective Earth:** combined connector for 4 mm banana plug and/or wire



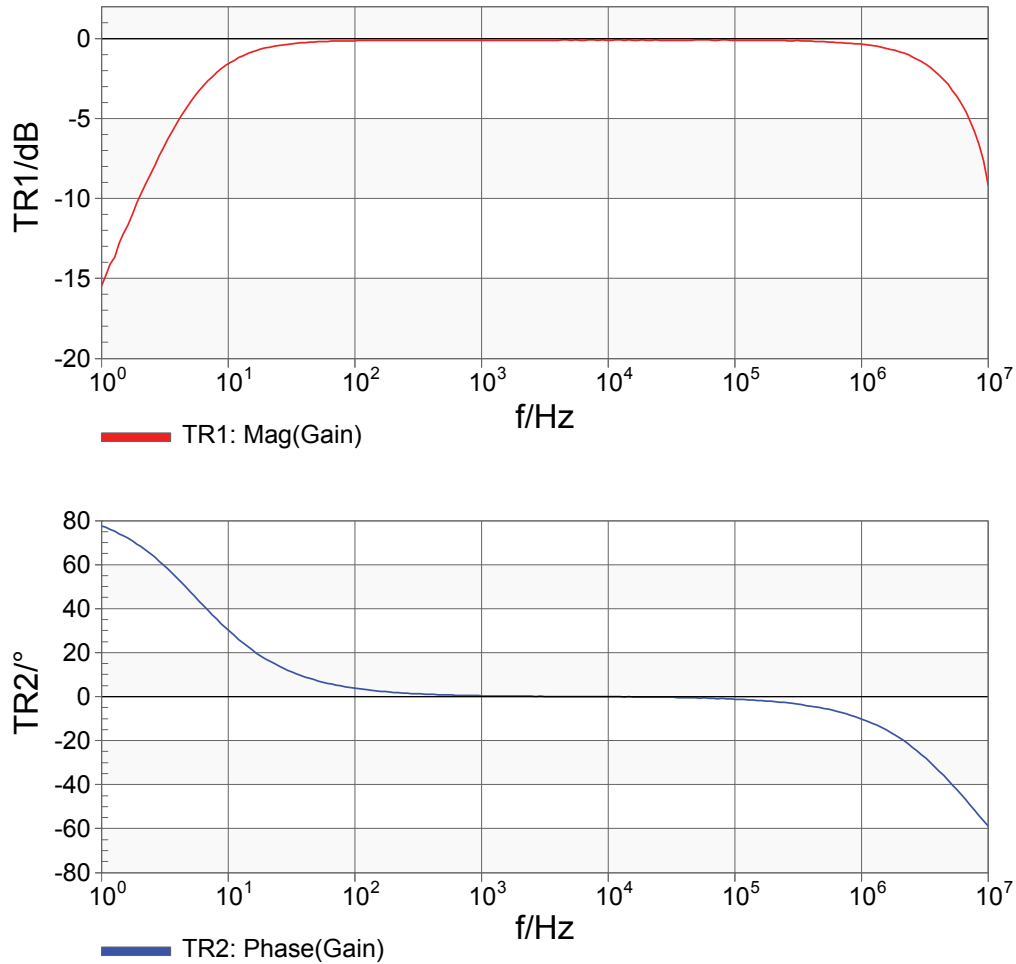
Electrical characteristics

Usable frequency range: 1 Hz – 10 MHz
3 dB frequency range¹: typ. 7 Hz – 5 MHz
Insertion loss²: typ. < 0.5 dB
Winding capacity³: typ. 110 pF
Max. input voltage: 4 Vrms
Max. DC current: 10 mA

Mechanical characteristics

Dimensions⁴: 114.3 x 63.5 x 29.5 mm
4.5 x 2.5 x 1.16 inch
Weight: < 0.25 kg / 0.6 lbs

Typical frequency response¹:



¹ measured with source signal level of -10 dBm and a load resistance of 10 Ω

² measured at 1 kHz

³ between primary and secondary winding, measured at 1 kHz

⁴ without connectors

Product specifications and descriptions in this document are subject to change without notice.