

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
- Fully 600 V CAT II compliant output
- CE compliant, RoHS compliant

Connectors

- **Input:** BNC socket
(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

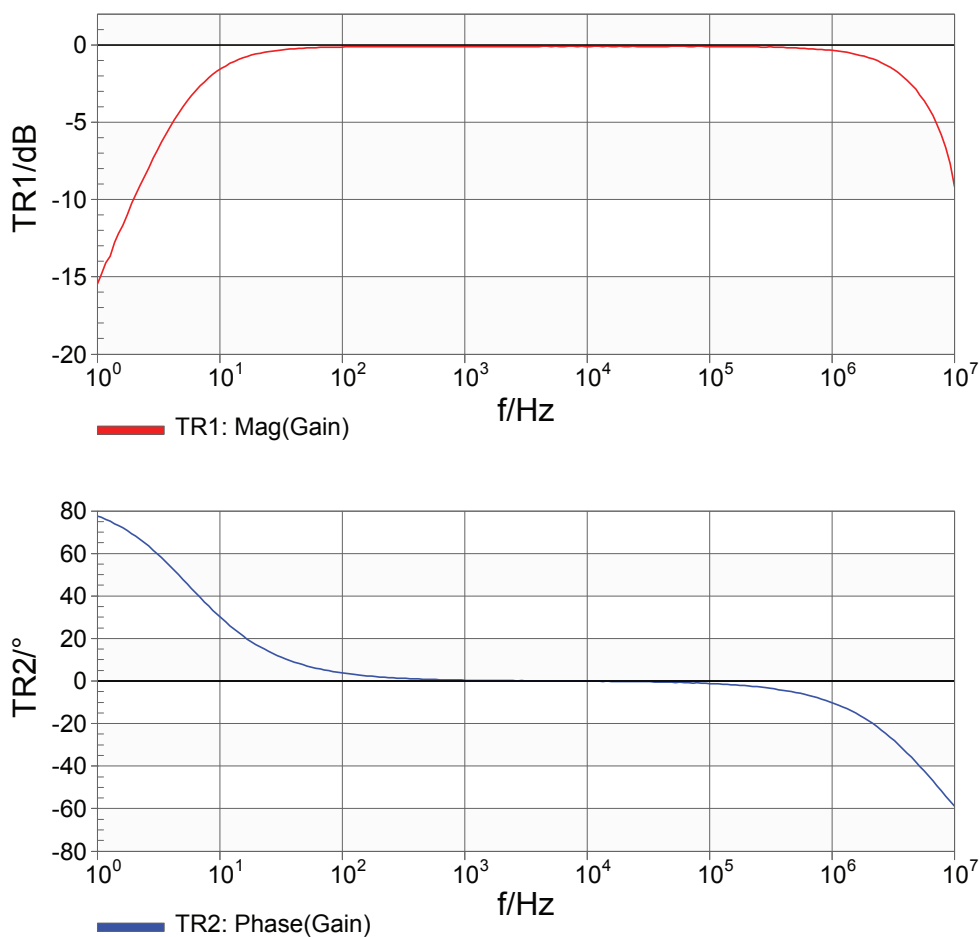
Usable frequency range: 1 Hz – 10 MHz
3 dB frequency range:¹ typ. 7 Hz – 5 MHz
Insertion loss:² typ. < 0.5 dB
Winding capacity:³ typ. 110 pF
Max. input voltage: 4 Vrms
Max. DC current: 10 mA

Mechanical Characteristics

Dimensions:⁴ 114.3 x 63.5 x 29.5 mm
4.5 x 2.5 x 1.16 inch
Weight: < 0.25 kg / 0.6 lbs

Order number: OL000151

Typical frequency response:¹



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.

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