

# 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

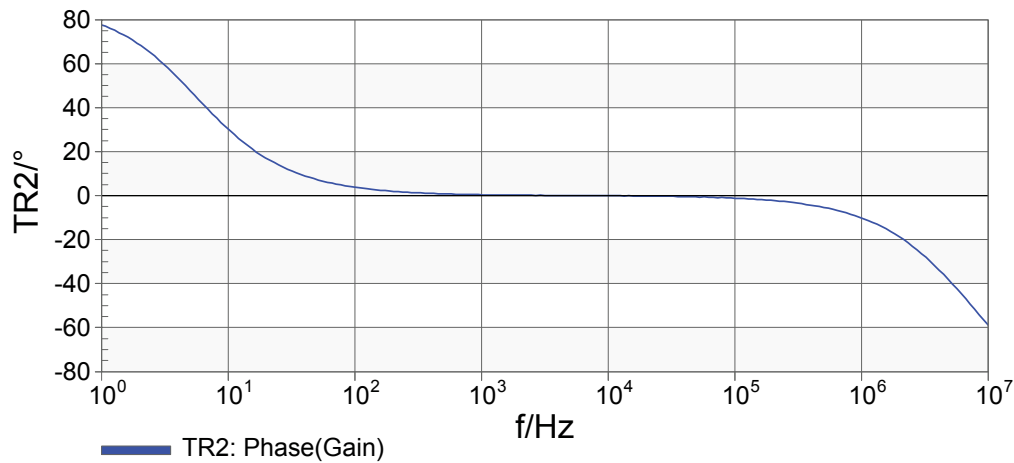
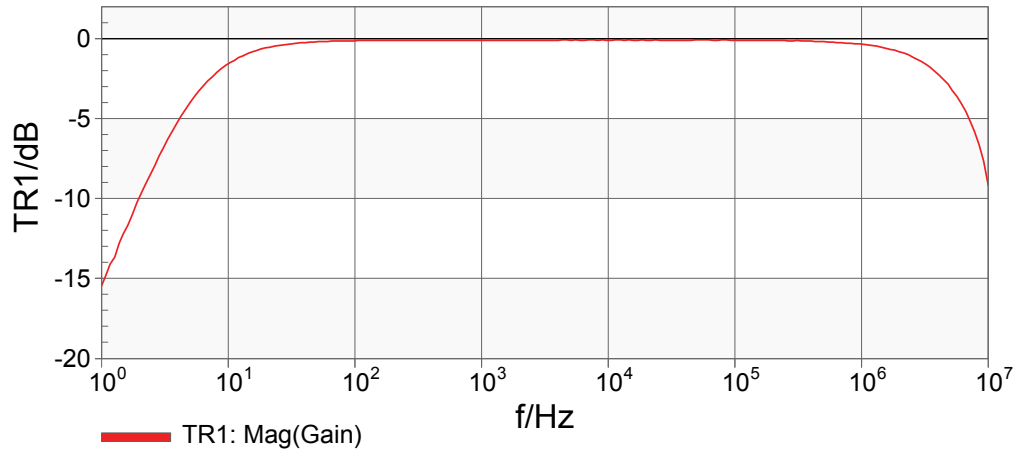
Usable frequency range: 1 Hz – 10 MHz  
3 dB frequency range<sup>1</sup>: typ. 7 Hz – 5 MHz  
Insertion loss<sup>2</sup>: typ. < 0.5 dB  
Winding capacity<sup>3</sup>: typ. 110 pF  
Max. input voltage: 4 Vrms  
Max. DC current: 10 mA

## Mechanical characteristics

Dimensions<sup>4</sup>: 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<sup>1</sup>:



<sup>1</sup> measured with source signal level of -10 dBm and a load resistance of 10  $\Omega$

<sup>2</sup> measured at 1 kHz

<sup>3</sup> between primary and secondary winding, measured at 1 kHz

<sup>4</sup> without connectors

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