



Balanced-Unbalanced Transformer

TBT-500

ISO 7637-4

Introduction

The TBT-500 balanced-unbalanced transformer is specifically designed to meet the requirements of ISO 7637-4:2020. It is designed for conversion between balanced and unbalanced signals and is widely used in communication applications. The transformer features high power handling capability, low insertion loss, excellent amplitude balance, and stable frequency response.

Technical Parameters

Frequency	100 kHz ~ 50 MHz
Characteristic Impedance	50 Ω
Insertion Loss	≤ 1 dB * According to the law of conservation of energy, there is -3 dB background at single output terminal.
Amplitude Balance	≤ 1 dB
Standing-wave Ratio (SWR)	≤ 3
Power Consumption	100 VA
Turn Ratio	1:1

**General
Parameters**

Interface	Type N
Dimension (L x W x H)	140 mm (L)* 100 mm (W)* 48 mm (H)
Weight	1.5 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

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