

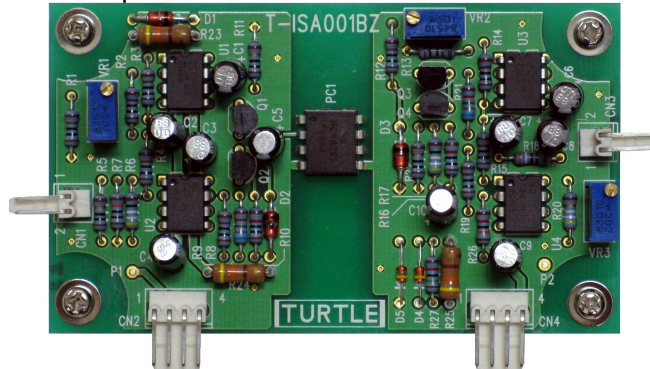
Broad Band Isolation Amplifier Board that passes from DC to 1 MHz

T-ISA001BZ



Features

An isolation amplifier board of the broad band of from DC to through 1MHz. The isolation transmission features the linear method, thus eliminating any sources of spike noise. The product operates very quietly while at the same time being extremely responsive. The amplifier can be used to perfectly isolate analog signals without having to worry about any spike noise. The excellent level of high insulation withstanding voltage between the input and output enable the product to be used for various purposes. Also fully RoHS compliant.



Specifications

Insulation Withstanding Voltage	1500Vrms between primary and secondary circuits
Allowable Input Voltage	$\pm 1V_p$ (amplifier gain of 20dB)
Input Resistance	approx. 100K Ω
Gain	Within 20dB $\pm 4\%$ (DC, with full-scale)
Overall Frequency Property	DC ~ 1MHz (-3dB, Output 10Vp)
Output Noise Voltage	approx. 7.5mVp or less
Example of Max. Output Voltage and Current	approx. $\pm 10V_p$ approx. $\pm 10mA$
Harmonic Distortion	0.3% or less (10KHz 10Vp output)
Non-linearity	0.4% or less (output 10V)
Temperature Drift of Input	approx. 160 $\mu V/C$ (average) or less (Input 50 Ω terminate)
Output Resistance	50 Ω
Power Supply (Voltage and Consumed Current)	+15V approx. 30mA, -15V approx. 30mA at primary side +15V approx. 30mA, -15V approx. 15mA at secondary side
Operating Temperature	5C ~ 45C
Dimensions	55 mm x 95 mm x 15 mm (thickness) (Spacer, connector and other protrusions not included)
Weight	approx. 45 g (cables not included)

Accessories

Connectors for Input/output	5051-02 made by Molex	2 sets
Power Supply Connector	5051-04 made by Molex	2 sets

Both the specifications and use are subject to change from improvements. Free warranty period of 6 months.

We contract the development, design, and manufacture of various systems using electronic and computer



Turtle Industry Co., Ltd

1-12-4, Nishine Minami, Tsuchiura, Ibaraki,
Japan, 300-0842

Tel: +81-29 (843) 0045 Fax: +81-29 (843) 2024

URL: <http://www.turtle-ind.co.jp>

E-mail: tokyo@turtle-ind.co.jp

December 11, 2012