



## Product Data Sheet

# GEC-VIT

## High-Resolution Video Isolation Transformer

### Overview

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The GEC-VIT is a high-resolution video isolation transformer designed for base-band composite video signals. Designed to ensure high-quality images, this transformer helps eliminate potentially damaging onscreen “hum bars” caused by ground voltage potential differences between your video equipment, also known as ground loop. The GEC-VIT provides complete isolation between devices and eliminates distortions caused by video hum bars, ground loops, and DC offsets.

In addition, flat frequency and linear phase response provides excellent picture quality and the unit’s wide bandwidth is compatible with a large range of video formats without adding distortion.



### Standard Features

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- Eliminates video ground loop distortions and video “hum bars”
- Flat frequency and linear phase response provides high-quality image
- Wide bandwidth (10 Hz – 8 MHz) is compatible with multiple video formats without adding distortion
- Low insertion loss minimizes signal attenuation
- Constant group-delay does not add any color distortion
- Compatible with all major video formats including NTSC, PAL and SECAM
- Supports “up-the-coax” type signals to carry video and bidirectional PTZ signals
- Compact size, no power required for easy and flexible installation in-line or wall mount

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## High-Resolution Video Isolation Transformer

### Specifications

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#### Video

- Conditioning: 0.7 to 1.4 V p-p video accepted
- Frequency: DC to 8 MHz
- Format: PAL, SECAM, NTSC
- Coax Impedance: 75 Ohm
- Insertion Loss: 0.5 dB

#### Connectors

- Power: No power required
- Video Connector: Isolated BNC

#### Miscellaneous

- Operating Temperature: -10°C to +50°C
- Storage Temperature: -30°C to +70°C
- Relative humidity: 0 to 95%, non-condensing
- Dimensions (W x H x D): 55 x 35 x 93 mm
- Weight: 168 gr
- Material: Aluminum

### Diagram

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### Ordering Information

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#### GEC-VIT

Video GL Isolation Transformer, 10 Hz to 8 MHz Bandwidth,  
Up-the-Coax, eliminates DC Offset

