

## HD-SDI Video Ground Isolator - 4000 Volt

Order Code: - **HDF03**

### Technical Data



- >Electrical Grounding between equipment - blocks up to 4000 volts
- >No distortion of full bandwidth signal - suitable for SD and HD-SDI
- >Suitable for ASI format
- >Small and lightweight
- >Passive - no power supply needed

Traditional "Humbucker" and Isolation Transformer approaches to interference are not applicable to SDI signals. Mains hum is well below the SDI signal frequency spectrum and (unlike analogue video) the SDI signal is not sensitive to near-DC attenuation. However, the problems of signal distortion and operator shocks caused by a voltage difference between two pieces of equipment connected by a HD-SDI signal feed still exist.

The L E N HD Ground Isolator uses a broadband highpass filter to provide DC electrical isolation between the two pieces of equipment, whilst permitting the full bandwidth of the HD-SDI signal to pass. This method outperforms all other broadband transformers for SDI

### Technical Data

<b>Impedance: -</b>	75 Ohms
<b>Bandwidth: -</b>	<b>&lt;0.5 MHz to &gt;1485 MHz</b>
<b>Amplitude roll-off: -</b>	<1.0 dB <0.5 MHz to 1485 MHz
<b>Return Loss: -</b>	>20 dB
<b>DC Breakdown Voltage: -</b>	<b>&gt;4000 volts</b>
<b>Enclosure: -</b>	Rugged ABS box, with mounting flanges
<b>Size: -</b>	68mm x 35 mm x 20 mm - overall inc.backplate
<b>Connectors: -</b>	BNC Female

### Formats Supported: -

**HD -** 1080p30  
 1080p25  
 1080i60  
 1080sF25  
 1080sF24  
 1035i60  
 720p60

Note: Not suitable for Analogue Video

### Sales-Contact:

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