FILTER AND NETWORK TECHNOLOGY

HD-SDI Ground Isolator

Order Code: - **HDF01** **Technical Data**

- Electrical Grounding between equipment
- No distortion of full bandwidth signal
- Suitable for ASI format
- Small and lightweight

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 iisolation 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 signals currently available.

Also known as the HD-SDI DC Isolation Highpass Filter, it is non-inverting and suitable for ASI format.

Technical Data

Impedance: -	75 Ohms
Bandwidth: -	**<0.5 MHz to >1485 Mhz**
Amplitude roll-off: -	<0.25 dB <0.5 MHz to 1485 MHz
Return Loss: -	>20 dB
DC Breakdown Voltage: -	**>100 volts**
Enclosure: -	ABS box, 45 x 30 x 15 mm (excluding connectors)
Weight: -	**26** gm
Connectors: -	BNC Female

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