

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

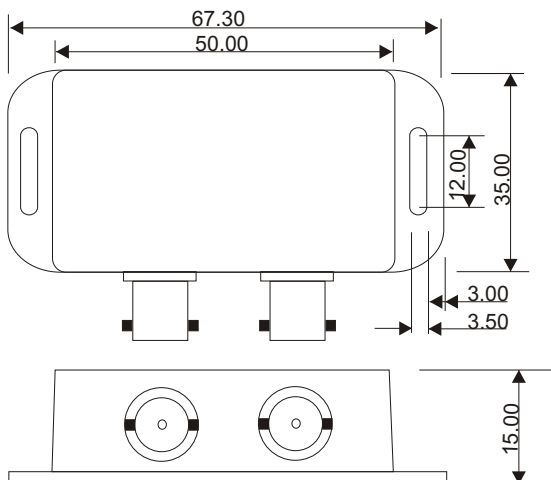
Traditional “Humbucker” and Isolation Transformer approaches to interference are not applicable to SDI signals. Mains hum is well below the SDI signal frequency spectrum and (unlike analogue video) the SDI signal is not sensitive to near-DC attenuation. However, the problems of signal distortion and 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 signals currently available.

Also known as the HD-SDI Galvanic Separator, it is non-inverting and suitable for ASI format.

Technical Data

Impedance: -	75 Ohms
Bandwidth: -	<0.5 MHz to >1485 MHz
Amplitude roll-off: -	<1.0 dB <0.5 MHz to 1485 MHz
Return Loss: -	>20 dB
DC Breakdown Voltage: -	>4000 volts
Enclosure: -	Rugged ABS box, with mounting flanges
Size: -	68mm x 35 mm x 15 mm - overall inc.backplate
Connectors: -	BNC Female
Note: -	Not suitable for Analogue Video - see product VIT02



Do not scale from this drawing

All dimensions in mm.