

3G-SDI Ground Isolator

Order Code: - **3GF01**

Technical Data

3G



- ▶ Electrical Grounding between equipment
- ▶ No distortion of full bandwidth signal
- ▶ Effective on 3G, HD and SD signals
- ▶ 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 3G 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 3G-SDI signal to pass. This method outperforms all other broadband transformers for SDI signals currently available.

Also known as the 3G-SDI DC Isolation Highpass Filter, it is non-inverting and suitable for ASI format.

Technical Data

Impedance: -	75 Ohms
Bandwidth: -	<0.5 MHz to >3.0 GHz
Amplitude roll-off: -	<0.25 dB <0.5 MHz to 3.0 Ghz
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