



- Categories**
- Audio and data connectors
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  - Audio mixers and processing
  - Amplification
  - Loudspeakers and audio monitoring
  - Test and measurement
  - Communications, conferencing and datacoms

- By brand  
 Index  
 New products  
 Special offers  
 Clearance list  
 Remainder list

Home > Pr... > Video interfacing, processi... > Hum blockers ... > LEN VIDEO FILTERS - SD, H... > LEN L4KGI01 VIDEO ISOLATOR Galvanic video and gro...

## LEN L4KGI01 VIDEO ISOLATOR Galvanic video and ground path isolator, inline housing, 4K/12G UHD SDI



[Datasheet Print/PDF](#) [Ask a question](#)

Stock code  
**90-6153**

Brand  
**LEN**

Model number  
**L4KGI01**



**Resources**

[Datasheet - LEN L4KGI01](#)

### LEN VIDEO FILTERS - SD, HD, 3G, 4K/12G SDI ground isolation

The L E N ground isolators use broadband high-pass filters to provide complete galvanic isolation of DC currents between two pieces of equipment, whilst permitting the full bandwidth of the SDI signal to pass, thus avoiding problems of signal distortion and operator shocks caused by a voltage difference. This method outperforms broadband transformers for SDI signals. Both signal and ground paths between equipment are isolated, there is no distortion of the signal. They are suitable for ASI format.

There are three ranges with different housings; one range has encapsulated enclosures which may be rack-mounted with an accessory panel, one has in-line 'barrels', with or without a mounting flange, the third offers designs with higher breakdown voltage for medical grade applications - see [LEN VIDEO FILTERS - MEDICAL GRADE - SD, HD, 3G, 4K/12G SDI ground isolation](#), and are available both constructed in ABS boxes with mounting flanges and as 'barrel' versions, with or without a mounting flange.

Common specifications are as follows. Input and output impedance: 75 ohms. Return loss: Better than 20dB.

Model	Bandwidth(1)	Breakdown Voltage(1)
<b>LHDF01</b>	0.5 MHz to 1485 MHz, - 0.25dB	100V
<b>L3GF01</b>	0.5 MHz to 3000 MHz, - 0.25dB	100V
<b>LHDGI01</b>	0.5 MHz to 1485 MHz, - 0.25dB	100V
<b>L3GGI01</b>	0.5 MHz to 3000 MHz, - 0.25dB	100V
<b>LHDGI02</b>	0.5 MHz to 1485 MHz, - 0.25dB	100V
<b>L3GGI02</b>	0.5 MHz to 3000 MHz, - 0.25dB	100V
<b>L4KGI01</b>	0.5 MHz to 12000 MHz, - 0.25dB	100V
<b>L4KGI02</b>	0.5 MHz to 12000 MHz, - 0.25dB	100V

Note 1: These are minimum values.



#### Encapsulated Enclosure - **L3GF01**, **LHDF01**

**L3GF01** may be used with 3G, HD or SD SDI signals while the **LHDF01** may be used with HD or SD SDI. Each is built in an ABS enclosure fitted with two female BNC connectors. Two M3 mounting screws are provided on the same face as the connectors, so that the filters can be mounted flat to a panel, with the connectors protruding through it.

Dimensions: 45 x 30 x 15 (l x w x h) mm. Weight: 26g.

Optional accessories: The **LMPF01** rack frame is a 1U 19-inch panel, finished in black, punched to take eight "encapsulated enclosure" filters mounted from the rear by means of the mounting screws, the BNC connectors facing out of the rack. If it is desired to have the connectors facing into the rack, the filters may be reversed, revealing the filter modules which will protrude 15mm from the surface of the panel.



#### In-line 'Barrel' Type - **L4KGI01**, **L3GGI01**, **LHDGI01**

**L4KGI01** is for use with full 12G/4K UHD SDI video and all lower standards including 6G, 3G, HD and SD SDI. **L3GGI01** may be used with 3G, HD or SD SDI signals while the **LHDGI01** may be used with HD or SD SDI.. They are built in cylindrical plastic (for isolation) enclosures, fitted with a BNC connector at each end. They are ideal for carrying in a toolbox, to cure interference issues.

Dimensions: 30 x 20 (l x diameter) mm. Weight: 36g.

#### In-line 'Barrel' Type, with mounting flange for through panel mount **L4KGI02**, **L3GGI02**, **LHDGI02**

**L4KGI02** is for use with full 12G/4K UHD SDI video and all lower standards including 6G, 3G, HD and SD SDI. **L3GGI02** may be used with 3G, HD or SD SDI signals while the **LHDGI02** may be used with HD or SD SDI.. They are built in cylindrical plastic (for isolation) enclosures, fitted with a BNC connector at each end An industry-standard size mounting flange is fitted at one end.

Dimensions: 30 x 20 (l x diameter) mm, mounting flange 31 x 26 mm. Weight: 37g.

Optional accessories: **LMPG01** rack frame is a 1U 19-inch full width panel, finished in black, punched to take sixteen isolators mounted from the rear by means of the mounting flanges, so that the BNC connectors are on either side of the rack. **LMPG02** rack frame is a 1U 19-inch half width panel, punched to take eight isolators, mounted in the same way as the full width panel.

Description	Price £ ex. VAT	Add to basket Delivery
<b>LEN LHDF01 VIDEO ISOLATOR Galvanic video and ground path isolator, 2x BNC, HD SDI</b> Stock code: <b>90-6147</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£89.60</b>	1
<b>LEN L3GF01 VIDEO ISOLATOR Galvanic video and ground path isolator, 2x BNC, 3G HD SDI</b> Stock code: <b>90-6148</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£107.50</b>	1
<b>LEN LMPF01 RACK PANEL For 8x video isolators, 1U</b> Stock code: <b>90-6201</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£54.11</b>	1
<b>LEN LHDGI01 VIDEO ISOLATOR Galvanic video and ground path isolator, inline housing, HD SDI</b> Stock code: <b>90-6151</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£125.40</b>	1
<b>LEN L3GGI01 VIDEO ISOLATOR Galvanic video and ground path isolator, inline housing, 3G HD SDI</b> Stock code: <b>90-6152</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£150.50</b>	1
<b>LEN L4KGI01 VIDEO ISOLATOR Galvanic video and ground path isolator, inline housing, 4K/12G UHD SDI</b> Stock code: <b>90-6153</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£336.00</b>	1
<b>LEN LHDGI02 VIDEO ISOLATOR Galvanic video and ground path isolator, flange mount, HD SDI</b> Stock code: <b>90-6154</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£130.80</b>	1
<b>LEN L3GGI02 VIDEO ISOLATOR Galvanic video and ground path isolator, flange mount, 3G HD SDI</b> Stock code: <b>90-6144</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£155.90</b>	1
<b>LEN L4KGI02 VIDEO ISOLATOR Galvanic video and ground path isolator, flange mount, 4K/12G UHD SDI</b> Stock code: <b>90-6145</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£341.40</b>	1
<b>LEN LMPG01 RACK PANEL For 16x video isolators, 1U</b> Stock code: <b>90-6149</b> Please <a href="#">login</a> for stock availability and lead times.	<b>£74.71</b>	1

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**£336.00**  
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