

Isolation Transformers

Video and Audio signals are delicate. Delicate signals are susceptible to distortion from ground loops. Ground loops are caused by voltage differences, which can range from a few millionths of a volt up to several tens of volts, between the ground point on your equipment and the grounding of your electrical service. If you have multiple A/V components powered from different outlets or even different circuit breakers then your system may not be operating at its maximum potential! Get isolated!

You can tell you have a grounding issue if your picture contains hum bars which form diagonal lines on the screen (called herringbone) or a wide, barely visible bar that rolls from the bottom to top of the screen (called AC beat). Often you can even hear a faint hum caused by the ground loop as the noise on the video encroaches on the audio signal.

Ground Loop Isolation Transformers from Impact Acoustics break the ground path between components, eliminating performance robbing ground loop interference. Isolation transformers are offered for component HDTV video, S-Video, composite video and audio applications.

Features:

- **Isolate sensitive electronics from destructive ground loop interference**
- **Easy connection to your system using standard video cables**
- **Precision built to provide maximum performance**



41147
MSRP \$99.99

Component Video Isolation Transformer	
Connectors	RCA Female *6 (Red*2, Green*2, Blue*2)
Bandwidth	Video DC to 8MHz per channel
Maximum input	1.0 Vp-p
Insertion Loss	<2dB at 6MHz
Input Impedance	75 ohm
Output Impedance	75 ohm
Isolation Resistance	600 VDC (Min)
Insulation Resistance	100M ohm
Transient Voltage Suppressors	12VRMS
Material	ABS Black
Dimensions	3.25"x2.86"x1"



41146
MSRP \$49.99

S-Video Isolation Transformer	
Connectors	Mini Din Female *2
Bandwidth	Video DC to 6MHz
Maximum input	1.0 Vp-p
Insertion Loss	<2dB at 6MHz
Input Impedance	75 ohm
Output Impedance	75 ohm
Isolation Resistance	600 VDC (Min)
Insulation Resistance	100M ohm
Transient Voltage Suppressors	12VRMS
Material	ABS Black
Dimensions	2.75" x 1.22" x 1"



41145
MSRP \$39.99

Composite Video Isolation Transformer	
Connectors	RCA Female *2
Bandwidth	Video DC to 8MHz
Maximum input	1.0 Vp-p
Insertion Loss	<2dB at 6MHz
Input Impedance	75 ohm
Output Impedance	75 ohm
Isolation Resistance	600 VDC (Min)
Insulation Resistance	100M ohm
Transient Voltage Suppressors	12VRMS
Material	ABS Black
Dimensions	2.75" x 1.22" x 1"



41163
MSRP \$79.99

Audio Isolator	
Connectors	Yellow RCA Female*4, golden plated
Bandwidth	20Hz-20KHz
Maximum input	1.0 Vp-p
Return Loss	10dB typical at frequency lower than 200Hz, 20dB at other frequency
Insertion Loss	Less than 1dB over the frequency range
Cross Talk	60dB over the frequency range
Maximum Distance	1000 ft. (305m)
Input Impedance	75 ohm
Output Impedance	75 ohm
Isolation Resistance	600 VDC (Min)
Insulation Resistance	100M ohm
Transient Voltage Suppressors	12VRMS
Material	ABS Black
Dimensions	80x36x25mm
Material	Aluminum extrusion

Finished Interconnects

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