

Specifications — GLI 350 Ground Loop Isolator

Video

Gain	Unity
Bandwidth	350 MHz (-3 dB)
CMRR	>47 dB @ 60 Hz, >30 dB @ 10 MHz

Video input

Number/signal type	1 VGA-QXGA RGBHV, RGBS, RGsB, component video, S-video, composite video
Connectors	5 female BNC
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum/maximum levels	Y and composite video: 0.3 V to 1.5 Vp-p
Impedance	75 ohms
Horizontal frequency	15 kHz to 135 kHz
Vertical frequency	30 Hz to 150 Hz
Return loss	<-39 dB @ 5 MHz
DC offset (max. allowable)	0.2 V

Video output

Number/signal type	1 VGA-QXGA RGBHV, RGBS, RGsB, component video, S-video, composite video
Connectors	5 BNC female
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum/maximum levels	Y and composite video: 0.3 V to 1.5 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-45 dB @ 5 MHz
DC offset	±10 mV maximum

Sync

Input type	RGBHV, RGBS, RGsB
Output type	RGBHV, RGBS, RGsB
Input level	0.5 V to 5.0 Vp-p
Output level	0.6 Vp-p for component video (tri-level sync) TTL: 5.0 Vp-p, unterminated for RGB
Input impedance	510 ohms
Output impedance	75 ohms
Max. propagation delay	H: 60 ns V: 226 ns
Max. rise/fall time	4 ns
Polarity	RGBHV, RGBS: positive or negative RGsB: negative

General

External power supply (attached)	100 VAC to 240 VAC, 50/60 Hz, 6 watts; to 9 VDC, 1 A, regulated
Temperature/humidity	Storage: -40 to +158 °F (-40° to +70°C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0° to +50°C) / 10% to 90%, noncondensing
Rack mount	No
Enclosure type	Metal
Enclosure dimensions	1.8" H x 4.6" W x 4.7" D (1U high, quarter rack wide) 4.6 cm H x 11.7 cm W x 11.9 cm D (Depth excludes connectors.)
Product weight	1.9 lbs (0.9 kg)
Shipping weight	4 lbs (2 kg)

Vibration	ISTA 1A in carton (International Safe Transit Association)
Compliances	CE
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE *All nominal levels are at $\pm 10\%$.*

NOTE *Specifications are subject to change without notice.*

(7.52-052507-D5)