LINDSAY BROADBAND
TOUGH TECHNOLOGY.

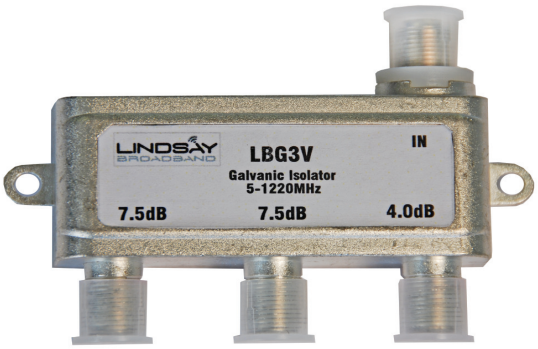
GALVANIC ISOLATORS

Cable Products, Drop Passives

LBHGxV

DESCRIPTION

Lindsay's galvanic isolator series are used to separate the subscriber's network equipment from the CATV network system as well as protect the network equipment from electrical hazards (ie. voltage surges or lightning). It is an effective and practical solution to prevent various types of hazardous surges for Customer Premise Equipment (CPE).



FEATURES

- Class A - CENELEC EN50083-2 (Screening Effectiveness)
- EN/IEC 60728-11:2010 (Safety Requirements)
- 5-1218 MHz Bandwidth
- 2 or 3 Port Splitter Design
- Protection for Network Equipment against Power Surges
- Superior Isolation and Return Loss for Return Path
- 2 kV DC Double Isolation Protection
- Standard Contact Pins
- Compact Design with Zinc Alloy Die Cast Housing & Tin Plated Soldered Back
- Two Ground Screws (Available)
- CE & RoHS Compliant

GENERAL SPECIFICATIONS

Voltage Isolation: 2kV DC
F Connector: SCTE Compliant IPS-SP 400
Operation Temperature: -40 °C to 60 °C (-40 °F to 140 °F)
RFI Shielding: -120 dB

ORDERING INFORMATION

LBHG [x] V

2 *for 2 Port or* ***3*** *for 3 Port*

Model Number	Inner Box	Standard Carton	Carton Weight
LBHG2V	30 pcs	300 pcs	21 kg/ 46 lbs
LBHG3V	30 pcs	300 pcs	22 kg/ 48 lbs

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DROP PASSIVES - LBHGxV

Frequency		LBHG2V						LBHG3V						
	Insertion Loss TV	Input Port		TV HP Port		Data Output Port		Input Port		TV HP Port		Data Output Port		
	5-65 MHz	x		40.0		3.5		x		40.0		3.5		
	85-110 MHz	x		5.0		3.8		x		8.2		3.8		
	111-500 MHz	x		3.8		3.8		x		7.0		3.8		
	501-860 MHz	x		4.2		4.2		x		7.8		4.2		
	861-1002 MHz	x		4.5		4.5		x		8.0		4.5		
	1003-1218 MHz	x		5.2		5.2		x		8.8		5.2		
	Input/ Output Return Loss	Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ	
	5-15 MHz	16	18	x	x	18	20	16	18	x	x	18	20	
	16-65 MHz	16	18	x	x	18	20	16	18	x	x	18	20	
	85-500 MHz	16	18	16	18	18	20	16	18	16	18	18	20	
	501-860 MHz	16	18	16	18	16	18	16	18	16	18	16	18	
	861-1002 MHz	16	18	16	18	16	18	16	18	16	18	16	18	
	1003-1218 MHz	16	18	16	18	16	18	16	18	16	18	16	18	
	Isolation Out to Out			Min	Typ					Min	Typ	Min	Typ	
	5-15 MHz			45	50					45	50	x	x	dB
	16-65 MHz			45	50					45	50	x	x	
	85-500 MHz			22	25					22	25	22	25	
	501-860 MHz			22	25					22	25	22	25	
	861-1002 MHz			22	25					22	25	22	25	
	1003-1218 MHz			20	25					20	25	20	25	
	Screening Effectiveness*			Typ						Typ				
	5-10 MHz			85						85				
	10-12 MHz			85						85				
	12-300 MHz			85						85				
	301-470 MHz			80						80				
	471-1002 MHz			75						75				
	1003-1218 MHz			75						75				
	Intermodulation p&q**			Typ						Typ				
	After 25V Surge			-110						-110				
	After 1KV Surge			-110						-110				

Galvanic Isolation	Ports	Max
2120 VDC***	Inner Conductor (Input) to Inner Conductor (Output)	0.7 mA RMS
2120 VDC***	Outer Conductor (Input) to Outer Conductor (Output)	0.7 mA RMS
230 VAC****	Inner Conductor (Input) to Inner Conductor (Output)	2 mA RMS
230 VAC****	Outer Conductor (Input) to Outer Conductor (Output)	2 mA RMS

Notes:

* 5-30 MHz (Transfer Impedance Method according IEC 60728-2)
30-1218 MHz (Absorption Clamp Method according IEC-60728-2 Sec 4.4)
Two carriers (60 & 65 MHz), Out to In, @ 120 dBuV, before surge

** Two carriers (60 & 65 MHz), Out to In, @ 120 dBuV, after 10 pulses (25 V/1.2 uS rise time/500 uS fall time) at all ports
Two carriers (60 & 65 MHz), Out to In, @ 120 dBuV, after 1 pulse (1 KV/1.2 uS rise time/500 uS fall time) at all ports

*** IEC-60728-11/10 Safety Requirements: 2120 VDC ≥ 1minute, I = ≤ 0.7 mA

**** IEC-60728-11/10 Safety Requirements: 230 VAC, I = ≤ 2.0 mA (0 °C to 25 °C)

Specifications subject to change without prior notice

FOR MORE INFORMATION ON OUR WIRELESS,OPTICAL AND RF PRODUCTS
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U.S. Sales Toll free: 877-672-4340
www.lindsaybroadbandinc.com