

HIGH PASS GALVANIC ISOLATORS

LB-HGxV-6

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
- EN/IEC 60728-11:2010 (Safety Requirements)
- 5-1218 MHz Bandwidth
- 3 Port Design with High Pass Filter options
- Protection of Network Equipment against Power Surges
- Superior Isolation and Return Loss for Return Path
- 6 kV surge protection
- 6dB coupler
- Standard Contact Pins
- Compact Design with Zinc Alloy Die Cast Housing & Tin Plated Soldered Back
- Two Ground Screws (Available)



GENERAL SPECIFICATIONS

Surge Withstand Capability:

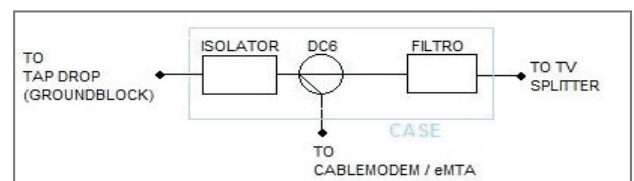
Fwd IN 6kV 3kA, 8/20us Combo Wave IEEE 587 (C62.41-1991), Category B3 Standard

Fwd OUT 6kV 200A, 0.5-1000kHz, Ring Wave IEEE 587 (C62.41-1991), Category A3 Standard

Operation Temperature: -40 °C to 60 °C (-40 °F to 140 °F)

ORDERING INFORMATION

Model Number	Inner Box	Standard Carton	Carton Weight
LB- HG2V-6-C	10 pcs	300 pcs	21kg / 46 lbs



LB-HG2V-6-C

DROP PASSIVES – LB-HGxV

Insertion Loss (dB)	TV	Data	
5-30 MHz (Min.)	>35		dB
5-1218 MHz (Max.)		6	dB
39-1218 MHz (Max.)	<5		dB

Isolation (Min.) (dB)	TV	Data	
5-30 MHz	40	40	dB
30-39 MHz	30	30	dB
39-1218 MHz	20	20	dB

Return Loss Output (Min.) (dB)	TV	Data	
15-1218 MHz	18	18	dB

Screening Effectiveness (dB)*	TV	Data	
5-300 MHz	85	85	dB
300-470 MHz	80	80	dB
470-950 MHz	75	75	dB
950-1218 MHz	75	75	dB

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), 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), Out to In, @ 120 dBuV, after 1 pulses (1 V/1.2 uS rise time/500 uS fall time) at all ports

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

**** IEC-60728-11/10 Safety Requirements: 230 VAC, I = ≤ 8.0 mA (0 °C to 25 °C)

Specifications subject to change without prior notice

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