

MoCA® Low-Pass Point of Entry Filter (LBMLPF-1)

Prevent interference to and from neighboring home networking installations with this low-pass point of entry filter. The Multimedia over Coax Alliance (MoCA) has established the universal standard for home entertainment networking. Lindsay's MoCA low-pass point of entry filter (LBMLPF) is used at the subscriber entry to prevent interference to and from neighboring MoCA installations. Installed directly to the input of the first device going into the home, this filter isolates adjacent subscribers with independently operating MoCA systems from each other by 70-100 dB when the filter is deployed at each drop.



FEATURES

- High isolation & minimum loss in HFC band
- Multi-drop installation yields 70-100 dB isolation
- Reflective design aids throughput of MoCA signal on sub site
- 5-1002 MHz passband, 1125-1675 MHz stopband
- Loss 5-860 MHz: 0.8 dB max, 860-1002 MHz, 1.5 dB max
- Rejection 1125-1179 MHz: 35 dB min, 1180-1675 MHz, 45 dB min
- Return loss 5-1002 MHz: 14 dB min, 1125-1675 MHz, 2 dB max
- Group delay: any 3.58 MHz span within 5-1002 MHz, <5 nsec
- Surge withstand: A3 Ring Wave (+/-6 kV), B3 Combination Wave (+/-2 kV)
- Design provides -120 dB EMI isolation (5-1675 MHz)
- Temperature cycled, from -40°C to +60°C (-40°F to +140°F)
- Waterproof to 15 PSI (one minute test)

SPECIFICATIONS

Parameter	Min	Typ	Max
Loss/ Rejection	5-65 MHz	0.05 dB	0.25 dB
	66-860 MHz	0.5 dB	0.8 dB
	861-1002 MHz	1.2 dB	1.5 dB
	1125-1179 MHz	35 dB	45 dB
	1180-1675 MHz	45 dB	55 dB
Return Loss	5-1002 MHz	14 dB	18 dB
	1125-1675 MHz	1 dB	2 dB
Group Delay (any 3.58 MHz span within 5-1002 MHz)	1 ns		
EMI (5-1675 MHz)	-120 dBc		
Surge Withstand (ANSI/SCTE 81 2007, A3 Ring/B3 Combination Wave)	+/-6 kV		
Environmental & Physical			
Temperature	-40°C to +60°C (-40°F to +140°F)		
Waterproof (one minute test)	15 PSI		
Dimensions (H x W)	1.81"H x 0.43"W (4.6H x 1.1W cm)		
Weight	0.62 oz (17.5 g)		

ORDERING INFORMATION

Part #	Description
LBMLPF-1	MoCA Low-Pass Point of Entry Filter

FOR MORE INFORMATION ON OUR RF, OPTICAL, POWERING & BUSINESS SERVICES SOLUTIONS
 1.705.742.1350 or 1.800.465.7046 or U.S. Sales Toll Free 1.877.672.4340
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