

MoCA Point of Entry Filter

The Multimedia over Coax Alliance (MoCA™) Point of Entry Filter can be used in MoCA applications to minimize MoCA energy on the cable TV feeder and to prevent interference between homes that use MoCA technology. The MoCA Point of Entry Filter also acts as a reflector to minimize loss of the MoCA signal within the home.

Figure 1. MoCA Point of Entry Filter (image may vary from actual product and specification)



Features

- Prevents interference between adjacent subscriber homes that use MoCA technology
- Minimizes MoCA energy on the cable TV feeder
- Acts as a reflector to increase the MoCA signal level within the subscriber's home
- Can be located at the point of entry or at the tap
- Supports a 1 GHz passband

Product Specifications

Table 1. Product Specifications

Specification	Value	
General		
Surge Resistance	6 kV (Ring Wave-A3) 2 kV (Combination Wave-B3)	
EMI Shielding Effectiveness, 5 to 1550 MHz	-120 dB	
Temperature Range	-40° to +140°F (-40° to +60°C)	
Pass Band	5 to 1002 MHz	
Stop Band	1125 to 1550 MHz	
Frequency (MHz)	Insertion Loss	Input/Output Return Loss
5 to 42 MHz	≤ 0.25 dB	≥ 16 dB
54 to 750 MHz	≤ 0.75 dB	≥ 14 dB
750 to 860 MHz	≤ 0.75 dB	≥ 12 dB
860 to 1002 MHz	≤ 1.5 dB	≥ 12 dB
1125 to 1550 MHz	≥ 35 dB	≤ 3 dB

Specification	Value
Dimensions	
Product Length	2 in. (5.08 cm)
Product Diameter	0.76 in. (1.93 cm)
Product Weight	10 oz. (283 g)

Ordering Information

Table 2. Ordering Information

Model	Description	Part Number
LPF001 - Multimedia over Coax Alliance (MoCA) Point of Entry Filter	Low Pass Filter, MoCA Model LPF001	4023444



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