

A MoCA Multimedia Network is a local area network characterized by wide bandwidth RF signal streams operating at high signal levels above the 1GHz CATV band at 1125 to 1675 MHz. These networks must be isolated from each other to prevent interference and failure. Due to the common, party-line nature of the CATV plant, a low pass filter can be used effectively to stop the MoCA signal traffic from leaking across the network boundaries. This is known as a Point Of Entry filter. The LPF-1002-70 offers up to -70 dB rejection at these frequencies.



LPF-1002-70

Specifications:

Item	Min	Typical	Max	Unit
Frequency Range		5 - 3000		MHz
Impedance		75		Ω
Pass Band	3.05	5 - 1002		MHz
Insertion Loss (5 - 65 MHz)		0.1	0.1	dB
Insertion Loss (65 - 80 MHz)		0.5	0.75	dB
Insertion Loss (860 - 1002 MHz)		1.5	2.0	dB
Return Loss (5 - 65 MHz)	18	18		dB
Return Loss (65 - 80 MHz)	16	17		dB
Return Loss (860 - 1002 MHz)	16	17		dB
Stop Band		1125 - 3000		MHz
Rejection (1125 - 2000 MHz)	70	70		dB
Operating Temperature		-40 ~60		°C
Humidity		0% to 100% relative humidity		
Withstanding Tightening Torque Female "F" Port		60		Inch.lbs
Withstanding Tightening Torque Male "F" Port		60		Inch.lbs

Conforms to ANSI/SCTE 81 2003, IEEE C62.41-1991 Cat. B3 waveform, 6kV 3000A

Model No.: LPF-1002-70 Low Pass Filter