Features and Benefits

ANTRONIX®

MoCA Passive
MPG1007C

Antronix provides the latest in in-home connectivity with the introduction of its MoCA Passive device. The point-of-entry MoCA optimized passive is a central hub for all the physical connections within the subscriber home. It is designed for those installations where MoCA-only client set tops are deployed, and reduces the complexity of the MoCA converter box installation and activation by eliminating the need for any other devices within the in-home network.

The Antronix MoCA Passive's four MoCA-only home network ports (1125 – 1675 MHz) configuration ensures maximum data rates for MoCA-enabled devices. An internal point-of-entry filter prevents MoCA signals from interfering with an adjacent subscriber and eliminates the need for an external filter.

Bi-directional communication is provided between three Access Network ports and the input port. Fewer Access Network ports means there is less contribution to total noise in the return band.

- **A multi-port point of entry passive device**
  A central hub for all the physical connections within the subscriber home
- **MoCA Optimized**
- **Internal MoCA point-of-entry filter**
  Prevents adjacent subscriber interference and eliminates the need for an external filter
- **4 MoCA-only home network ports**
  Ensures maximum data rates for MoCA-enabled devices
- **Minimal legacy return band noise**
  Bi-directional communications provided between 3 Access Network ports and the input port
- **Logical port configuration for easy installation**
  Cable and outlet labeling kit included for easy trouble shooting
- **EZ Mounting Bracket**
  Clips into easy-to-install bracket screwed into house NID box

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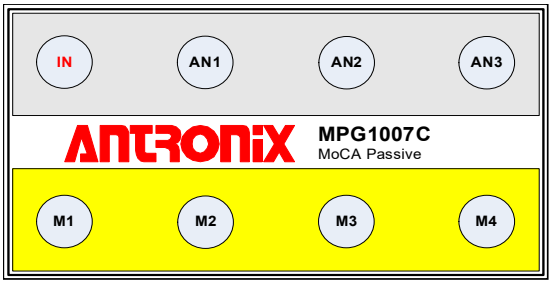
Electrical Specifications
MoCA Passive

	Frequency (MHz)	Max/Min		Nominal	
Access Network (AN) Band: 5-1002 MHz					
Insertion Loss		AN1	AN2 & AN3	AN1	AN2 & AN3
Input-AN (dB)	5-400	< 4.0	< 7.7	3.5	6.9
	400-600	< 5.0	< 8.5	3.6	7.1
	600-1002	< 6.0	< 9.7	4.8	8.8
Isolation					
AN-AN (dB)	5-10	> 25		40	
	10-85	> 35		42	
	85-400	> 25		30	
	400-1002	> 25		26	
Return Loss					
Input & AN(dB)	5-1002	> 18		20	
MoCA Home Network Band: 1125-1675 MHz					
Insertion Loss					
AN-AN (dB)	1125-1675	< 30		25	
AN-MoCA (dB)	1125-1675	< 28		25	
MoCA-MoCA (dB)	1125-1675	< 16		14	
Return Loss					
MoCA (dB)	1125-1675	> 18		19	
MoCA Rejection					
Isolation					
Input-MoCA (dB)	5-1675	> 40		50	
Input-AN (dB)	1125-1675	> 40		42	



Port Description	Label	Bandwidth
Input Port	IN	5-1002 MHz
Access Network Ports	AN1, AN2, AN3	5-1002 MHz & 1125-1675 MHz
MoCA Home Network Ports	M1, M2, M3, M4	1125-1675 MHz

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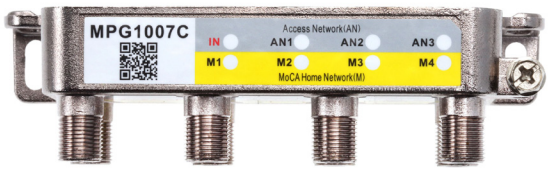
Specifications
MoCA Passive

General	
Nominal Impedance	75 Ω
F-Connector Type	SCTE-01 Compliant ECT F-port
F-Connector Torque Specs	30 in. lbs.
Shielding Effectiveness	110 dB min.
Safety	UL 467, CSA C22.2#41
Environmental	
Pressure Seal	15 psi
Surge Withstand	6 kV/3 kA Combo Wave (IEEE C62.41-1991 Cat. B3) on Input port 6 kV/200 A Ring Wave (IEEE C62.41-1991 Cat. A3) on all ports
Operating Temperature	-40 °C to +60 °C

Ordering Guide

MPG1007C	MoCA Passive: 7 ports (3 Access Network and 4 MoCA Home Network ports)
MB102P	NID enclosure mounting bracket



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