

MoCA POE Filters

-40dB and -70dB 6kV “Combo Wave”



As in-home networking services continue to grow, you need strong protection to give your subscribers the best multi-room DVR experience. Electrically isolating the home by installing a low pass filter at the point of entry prevents one neighbor from accessing or interfering with another neighbor’s data or TV services delivered via MoCA. These filters also enhance MoCA communication by acting as a signal reflector keeping the MoCA signals in the home.

The PPC MoCA POE filters are available in two values: -40dB and -70dB. Both versions have minimal loss in the 5 – 1002MHz spectrum but provide either 40dB or 70dB isolation respectively in the MoCA frequencies of 1125 – 1675MHz.

The PPC MoCA POE filters can be installed bidirectionally, eliminating installation errors. Both ports have enhanced surge protection and pass the SCTE’s stringent 6kV B3 “combo wave” surge test.

Built out of nickel plated brass, the filters are exceptionally resistant to corrosion. Available both with and without an integrated weather seal, these filters will provide exceptional reliability and will survive situations that would cause other filters to fail.

Features & Benefits

- -40dB and -70dB MoCA isolation
- Prevents accessing or interference with a neighbors MoCA service
- Supports 1GHz passband
- Compliant to MoCA specifications
- Enhances MoCA communication in the home
- Superior surge protection
- Designed for ease of installation
- Nickel plated brass construction
- Available with built-in weather seal



PART NUMBER	DESCRIPTION
SNLP-1G40CW	-40DB MOCA POE FILTER, 5 – 1002MHZ LOW PASS -40 FILTER, 6KV “COMBO WAVE” SURGE
SNLP-1G40CWWS	-40DB MOCA POE FILTER, 5 – 1002MHZ, WEATHER SEAL LOW PASS -40 FILTER, 6KV SURGE, WITH BUILT-IN SILICONE WEATHER SEAL
GLP-1G70CW	-70DB MOCA POE FILTER, 5 – 1002MHZ LOW PASS -70 FILTER, 6KV “COMBO WAVE” SURGE
GLP-1G70CWWS	-70DB MOCA POE FILTER, 5 – 1002MHZ, WEATHER SEAL LOW PASS -70 FILTER, 6KV SURGE, WITH BUILT-IN SILICONE WEATHER SEAL

This product may be protected by one or more patents • For further information, please visit: www.ppc-online.com/patents

MoCA POE Filters

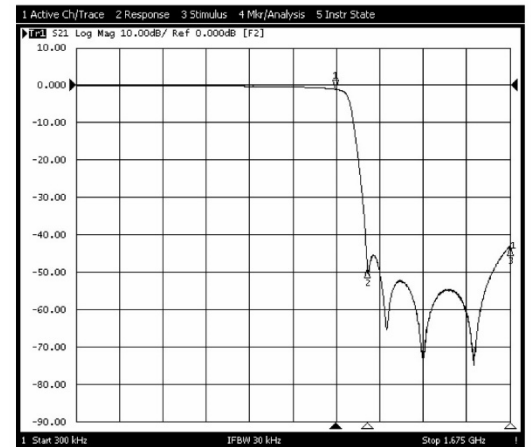
-40dB and -70dB 6kV “Combo Wave”



Specifications

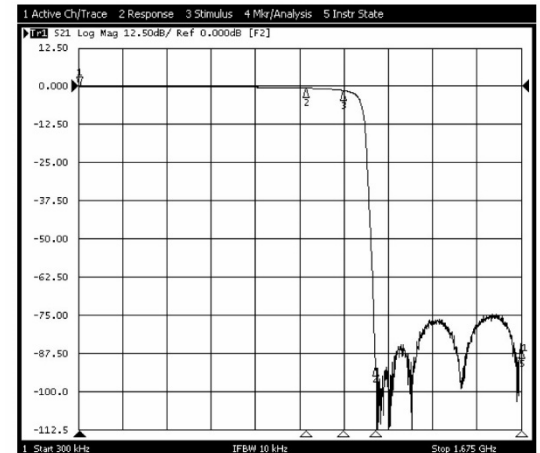
-40dB SPECIFICATIONS SNLP-1GCW and SNLP-1GCWWS

Bandwidth	5 – 1675MHz	
Impedance	75 Ohms nominal	
Insertion Loss	5-750MHz	-0.5dB typ. -0.7dB max
	750-1002 MHz	-1.2dB typ. -1.5dB max
	1125-1675MHz	-40dB min
Return Loss	5-860MHz	-20dB typ. -18dB min
	860-1002 MHz	-16dB typ. -14dB min
Group Delay	≤ 5 nsec	
Dimensions SNLP-1GCW	0.50 dia x 1.94 long inches	
Dimensions SNLP-1GCWWS	0.58 dia x 2.17 long inches	



-70dB SPECIFICATIONS GLP-1G70CW and GLP-1G70CWWS

Bandwidth	5 – 1675MHz	
Impedance	75 Ohms nominal	
Insertion Loss	5-860MHz	-0.6dB typ. -1.0dB max
	860-1002 MHz	-1.5dB typ. -1.7dB max
	1125-1675MHz	-70dB min
Return Loss	5-10MHz	-17dB typ. -15dB min
	10-860 MHz	-20dB typ. -18dB min
	860-1002 MHz	-16dB typ. -14dB min
Group Delay	≤ 5 nsec	
Dimensions GLP-1G70CW	0.50 dia x 2.44 long inches	
Dimensions GLP-1G70CWWS	0.58 dia x 2.67 long inches	



GENERAL SPECIFICATIONS	VALUE	
Operating Temperature	-40 to +60 °C	
RFI Shielding	≥ 140dB per ANSI/SCTE 48-1 2008	
F-ports and Housing	ANSI/SCTE Compliant; environmentally sealed to 15 psi	
Corrosion Withstand	Salt spray for 1000 hours per ANSI/SCTE 143 2013	
Surge Withstand – any port	IEEE C62.41-1991, Cat. B3, Combination Wave, 6kV 3kA per ANSI/SCTE 81 2007	
Construction	Outer bodies	Nickel plated brass
	Female contact	Nickel plated beryllium copper
	Male pin	Tin plated brass
	Weather seal	Silicone rubber
	O-ring seal	EPDM

This product may be protected by one or more patents • For further information, please visit: www.ppc-online.com/patents