

MoCA POE Groundblocks -40dB and -70dB 6kV “Combo Wave”



You already know that you need to electrically isolate the home by installing a low pass “POE” MoCA filter at the point of entry. The MoCA POE filter also improves MoCA communications by reflecting MoCA signals back into the home. One of the best ways to provide this is to combine the stability of the required ground block and the function of the MoCA filter.

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

The MoCA ground block is exceptionally resistant to corrosion as the filter component is nickel plated brass and the ground block sheetmetal is stainless steel. The PPC MoCA groundblock will provide exceptional reliability and will survive situations that would cause others 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 and stainless steel construction
- UL listed bonding point



PART NUMBER	DESCRIPTION
POEGB-1G70CW	-40DB MOCA POE GROUNDBLOCK/FILTER, 5 – 1002MHZ GROUNDBLOCK WITH INTEGRATED MOCA -40 FILTER, 6KV “COMBO WAVE” SURGE
POEGB-1G70CW	-70DB MOCA POE GROUNDBLOCK/FILTER, 5 – 1002MHZ GROUNDBLOCK WITH INTEGRATED MOCA -70 FILTER, 6KV “COMBO WAVE” SURGE

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MoCA POE Groundblocks

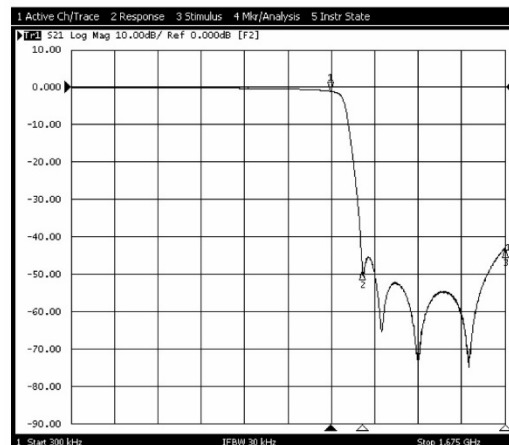
-40dB and -70dB 6kV “Combo Wave”



Specifications

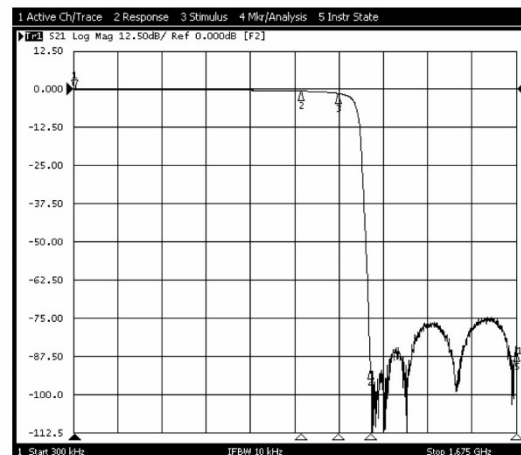
-40dB SPECIFICATIONS POEGB-1GCW

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	1.125 H x 1.5 W x 2.125 L inches	



-70dB SPECIFICATIONS POEGB-1G70CW

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	1.125 H x 1.5 W x 2.625 L inches	



GENERAL SPECIFICATIONS	VALUE	
Operating Temperature	-40 to +60 °C	
RFI Shielding	≥ 120dB 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	
Moisture Migration	Passes SCTE IPS-TP-013 (Red Dye) when used with standard WS-500 port seals	
Groundblock	UL 467 Listed Accepts #10 - #14 AWG Solid	
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
	Stamping	Stainless steel
	Screws	Stainless steel
	O-ring seal	EPDM

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