

## Description:

MoCA is the home networking standard for delivering HD digital and data signals over existing coaxial cables. Guarantee your MoCA network runs smoothly with Amphenol Broadband's MoCA Gateway Splitter IPGH3M4-VF that is designed with very low Port-to-Port isolation between MoCA and Hybrid ports and isolates MoCA signals from the traditional CATV frequencies on the Input.



IPGH3M4-VF

## Features & Benefits:

- MoCA Gateway Network Compatible.
- 5-1002 MHz between IN to Hybrid1, 2 and 3 Ports.
- 1125 -1675 MHz between Hybrid1, 2, 3 and MoCA1, 2, 3 and 4 Ports.
- Low Port - to - Port Isolation between Hybrid1, 2, 3 and MoCA1, 2, 3 and 4 Ports.
- Eliminates the need for a POE Filter.
- Color Coded Ports.
- True Flex Housing.
- UL Listed.

## Applications:

**Premise, Multi-Dwelling Units (MDU) and Business.**

**Additional Info:  
Specifications**

Bandwidth	Frequency(MHz)	Units	IPGH3M4-VF
		MHz	5-1002
		MHz	1125-1675
Passband Response In to Any Hybrid Port			
	5-1002	dB	±0.4
Insertion Loss			
In to Hybrid Ports (High output/Low outputs)	5-400	dB	≤ 4.0 / ≤ 7.7
	401-600	dB	≤ 5.0 / ≤ 8.5
	601-1002	dB	≤ 6.0 / ≤ 9.7
In to MoCA Ports	5-1675	dB	≥55 / ≥55
Return Loss			
Input	5-1002	dB min	≥18
Hybrid Ports	5-1002	dB min	≥18
	1125-1675	dB min	≥5
MoCA Ports	1125-1675	dB min	≥18
Isolation			
Hybrid to Hybrid Port	5-10	dB min	≥25
	11-85	dB min	≥35
	86-1125	dB min	≥25
	1126-1675	dB min	≤25
Hybrid to MoCA	1125-1675	dB max	≤ 28
MoCA to MoCA	1125-1675	dB max	≤ 16
Shield Effectiveness (RFI)			
	5-1675	dB	> 100
Surge Withstand			
Input	Category B3, 1.2/ 50 μs – 8/20 μs Combination Wave from 500V to 6 KV with an effective impedance of 2Ω per IEEE C62.41-1991		
Outputs	Category B3, 0.5 μs –100 KHz Ring Wave from 500V to 6 KV with an effective impedance of 12Ω per IEEE C62.41-1991		
Inter-modulation Distortion			

Better than -80dBc relative to a return carrier injected at a level of +60 dBmV

*Customers are reminded they are SOLELY responsible for confirming that all products are properly installed and used in accordance with codes and regulations.*

### Port Layout and Functions

