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

Hybrid High Loss - Green Color

MoCA- Black Color

Input - White Color

Input
5 - 1002 MHz

H2
-9.0 dB

M1   M2

Hybrid Ports
5 - 1002 MHz
1125 - 1675 MHz

Amphenol
Broadband Solutions®
Infinity Premises Gateway Passive

MoCA Only Ports
1125 - 1675 MHz

Hybrid Low Loss - Blue Color

H1
-5.5 dB

H3
-9.0 dB

M3   M4

CH
c (UL) us
LISTED
GROUND CLAMP-
COMMUNICATION
E306741   4CG3

True Flex Tabs

Hybrid High Loss - Green Color

MoCA- Black Color

True Flex Tabs