Passive MoCA Portal
7+10 way with built-in MoCA Filter

Continuing in the tradition of innovation of the Entry Series, PPC introduces the Passive MoCA Portal. This product provides cable network connectivity to broadband devices, such as the X1/DVR and modems while connecting MoCA devices to the X1 through an isolated network. The Passive MoCA Portal improves network performance by keeping the MoCA-only connections isolated. Any upstream noise that may be on the home MoCA network is prevented from entering the cable network.

Ready for advanced technologies, such as DOCSIS 3.1 and Full Duplex, the Passive MoCA Portal provides broadband and MoCA connectivity while limiting return noise ingress. The 7-way Passive MoCA Portal has three broadband ports and four MoCA-only ports. MoCA traffic can travel freely between the MoCA-only and broadband ports, providing X1 connectivity. MoCA traffic is kept off the cable/access network with more than 40dB isolation at the input.

The MoCA-only ports can be expanded from 4 to 7 (or more, up to 16) to any new or existing installation by adding a 4-way Expansion Stick to any 7-way Passive MoCA Portal. The 4-way Expansion Stick can be securely attached to a 7-way or installed remotely from the 7-way.

Whether it's a single X1 serving a small number of MoCA devices or a dual X1 installation serving more endpoints, the PPC Passive Portal series provides the technology and flexibility needed to support the range of MoCA installations found in subscribers' homes today.

Features & Benefits
- Ready for DOSCIS 3.1
- Ready for Full Duplex
- No power needed
- Limits return ingress
- MoCA ready (1125 – 1675MHz)
- Base unit provides:
    - Three "broadband" outputs (5 – 1002MHz)
    - Four MoCA-only outputs (1125 – 1675MHz)
- Add an Expansion "Stick" to add three or more MoCA-only outputs
- UL Listed ground bond point

PPC4PS00B4M
4 –way Expansion "stick"

PPC7PS13B4M
Base 7-way "stick"

Part Numbers

PPC7PS13B4M	Entry 7-way Passive MoCA Portal 40dB MoCA filter Outputs: 3 CATV/MoCA, 4 MoCA-only
PPC4PS00B4M	Entry 4-way Passive MoCA Expansion Stick Outputs: 4 MoCA-only, no broadband capability

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

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SPECIFICATIONS:

7-way Passive MoCA Portal Specifications Part Number: PPC7PS13B4M		Unit	Value
Bandwidth:	Input to Hybrid CATV/MoCA (H1, H2, H3) ports	MHz	5 – 1002
	Hybrid CATV/MoCA to any MoCA-only port	MHz	1125 – 1675
Ports:	Total number of "output" ports	Quantity	7
	• Number of CATV/MoCA ports	Quantity	3 (1 low-loss)
	• Number of MoCA-only ports	Quantity	4
Insertion Loss:	Input to low-loss Hybrid CATV/MoCA (H1) port	dB	≤ 4.0 (5 – 400MHz) ≤ 5.0 (400 – 600MHz) ≤ 6.0 (600 – 1002MHz)
	Input to high-loss Hybrid CATV/MoCA (H2, H3) ports	dB	≤ 7.7 (5 – 400MHz) ≤ 8.5 (400 – 600MHz) ≤ 9.7 (600 – 1002MHz)
	Input to any MoCA-only (M1, M2, M3, M4) ports	dB	≥ 40 (5 – 1675MHz)
Flatness:	Input to Hybrid CATV/MoCA (H1 – H3) ports	dB	± 0.4 (5 – 1002MHz)
Isolation:	Hybrid CATV/MoCA (H1 – H3) to any Hybrid CATV/MoCA ports	dB	≥ 25 (5 – 10MHz) ≥ 35 (11 – 85MHz) ≥ 25 (86 – 1002MHz) ≤ 30 (1125 – 1675MHz)
	Hybrid CATV/MoCA (H1 – H3) to any MoCA-only (M1 – M4) ports	dB	≤ 26 (1125 – 1675Hz)
	Any MoCA-only (M1 – M4) to any MoCA-only port	dB	≤ 16 (1125 – 1675Hz)
Return Loss:	MoCA-only (M1 – M4) ports	dB	≥ 18 (5 – 1002MHz)
	Hybrid CATV/MoCA (H1 – H3) ports	dB	≥ 18 (5 – 1002MHz)
	Any MoCA-only (M1 – M4) port	dB	≥ 10 (1125 – 1675MHz)

SPECIFICATIONS:

Combined Specifications of 10-way as a complete assembly PPC10PS13B7M or as separate modules 7-way PPC7PS13B4M and 4-way PPC4PS00B4M		Unit	Value
Bandwidth:	Input to Hybrid CATV/MoCA (H1, H2, H3) ports	MHz	5 – 1002
	Hybrid CATV/MoCA to any MoCA-only port	MHz	1125 – 1675
Ports:	Total number of "output" ports	Quantity	10
	• Number of CATV/MoCA ports	Quantity	3 (1 low-loss)
	• Number of MoCA-only ports	Quantity	7
Insertion Loss:	Input to low-loss Hybrid CATV/MoCA (H1) port	dB	≤ 4.0 (5 – 400MHz) ≤ 5.0 (400 – 600MHz) ≤ 6.0 (600 – 1002MHz)
	Input to high-loss Hybrid CATV/MoCA (H2, H3) ports	dB	≤ 7.7 (5 – 400MHz) ≤ 8.5 (400 – 600MHz) ≤ 9.7 (600 – 1002MHz)
	Input to any MoCA-only (M2 - M8) ports	dB	≥ 40 (5 – 1675MHz)
Flatness:	Input to Hybrid CATV/MoCA (H1 – H3) ports	dB	± 0.4 (5 – 1002MHz)
Isolation:	Hybrid CATV/MoCA (H1 – H3) to any Hybrid CATV/MoCA ports	dB	≥ 25 (5 – 10MHz) ≥ 35 (11 – 85MHz) ≥ 25 (86 – 1002MHz) ≤ 30 (1125 – 1675MHz)
	Hybrid CATV/MoCA (H1 – H3) to any MoCA-only (M2 – M8) ports	dB	≤ 35 (1125 – 1675Hz)
	Any MoCA-only (M2 – M8) to any MoCA-only port	dB	≤ 26 (1125 – 1675Hz)
Return Loss:	Input port	dB	≥ 18 (5 – 1002MHz)
	Hybrid CATV/MoCA (H1 – H3) ports	dB	≥ 18 (5 – 1002MHz)
	Any MoCA-only (M2 – M8) port	dB	≥ 10 (1125 – 1675MHz)

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SPECIFICATIONS:

Passive MoCA Expansion Stick Specifications as a separate module Part Number: PPC4PS00B4M		Unit	Value
Bandwidth:	Input to any MoCA-only (M5 – M8) port	MHz	1125 – 1675 Does not pass CATV signals
Ports:	Total number of "output" ports	Quantity	4
	• Number of CATV/MoCA ports	Quantity	0
	• Number of MoCA-only ports	Quantity	4
Insertion Loss:	Input to any MoCA-only (M5, M6, M7, M8) ports	dB	≤ 8.0
Isolation:	Any MoCA-only (M5 – M8) to any MoCA-only port	dB	≤ 16
Return Loss:	Input port	dB	≥ 18 (5 – 1002MHz) ≥ 12 (1125 – 1675MHz)
	Any MoCA-only (M5 – M8) port	dB	≥ 10 (1125 – 1675MHz)

NOTE: The PPC 4-way Expansion Stick has an input filter to prevent standard CATV frequencies 5 – 1002MHz from passing through the device.

The use of the 4-way Expansion Stick is for MoCA signals only.

GENERAL SPECIFICATIONS:

General Specifications:	Unit	Value
Nominal Impedance:	Ohms	75
RFI Shielding:	dB	≥ 100 per ANSI/SCTE 48-1 2008
Operating Temperature:	°C	-40 to +60
F-ports and Housing:	-	ANSI/SCTE Compliant; environmentally sealed to 15 psi, Zinc die cast construction with Tri-metal (Cu/Sn/Zn) or nickel plating
Corrosion Withstand:	-	Salt spray for 1000 hours per ANSI/SCTE 143 2013
Surge Withstand – 7-way Input port:	-	IEEE C62.41-1991, Cat. B3, Combination Wave, 6KV 3kA per ANSI/SCTE 81 2007
Surge Withstand – all output ports:	-	IEEE C62.41-1991, Cat. B3, Ring Wave, 6KV 500A per ANSI/SCTE 81 2007

Specifications are property of PPC and are subject to change without notice. The term "typical" or "typ" means that at least 80% of the defined spectrum meets or exceeds the typical value shown.