

# MoCA VOIP AMPLIFIER [AMP-5-BPM-x]

Cable Products, Drop Amplifiers

# TaiTin

## Features

- 8 Optimized MoCA Ports
- Passive VoIP Port for Critical Voice Service
- Unity Gain on Forward and Return Paths
- 6kV Surge Resistance
- Powder Coated Aluminium Housing for Superior Corrosion Resistance
- Fully Backward Interoperable with MoCA 1.1
- Regional Power Adapter Included



## Ordering Information

AMP-5-BPM - x

U (5-42 / 54-1002); E (5-65 / 85-1002); J (5-55 / 70-1002); M (5-85 / 105-1002 MHz)

## Specifications

Frequency Range	5 - 1675 MHz
Impedance (all ports)	75 Ohm
Housing	Powder Coated Aluminium
Connector	75 Ohm Female "F" type
Connector Thread	3/8" - 32 UNEF
RFI Screening Effectiveness	-100 dB
Power Adapter	12 VDC 1 A, UL

## Forward Path

Passband*	(54/70/85/105) - 1002 MHz
Gain	±1.5 dB
Isolation Port-Port	23 dB
Return Loss	18 dB
Noise Figure	4 dB

## Distortions<sup>1</sup>

Composite Triple Beat	-75 dBc
Composite Second Order	-63 dBc
Cross Modulation	-70 dBc
Hum Modulation	-80 dBc

## MoCA Ports

Passband	1125 - 1675 MHz
Insertion Loss Out-Out	30 dB
Insertion Loss Out-VoIP	45 dB
Isolation Out-In	40 dB
Isolation VoIP-In	35 dB

\*Customized Bandsplits Available

## Return Path

Passband*	5 - (42/55/65/85) MHz
Gain	±1.5 dB
Isolation Port-Port	25 dB
Return Loss	18 dB
Noise Figure	7 dB

## Distortions<sup>2</sup>

Discrete Second Order	-60 dBc
Discrete Third Order	-60 dBc
Cross Modulation	-65 dBc

## VoIP Port

Passband	5 - 1002 MHz
Insertion Loss	5.5 dB
Return Loss	18 dB

## Notes:

1. +10 dBmV flat input, analog channels from 54-550 MHz. Digital channels from 550-1002 MHz at 6 dB below the analog channels
2. Two +55 dBmV carriers at 13 MHz and 19 MHz