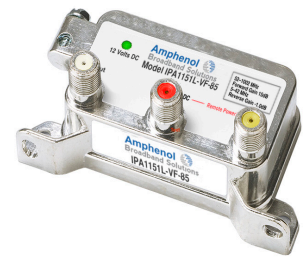


## Description:

The IPA2151L3-VF-85 is a one output amplifier with 15dB gain in the forward and passive in the return. Precisely engineered electrical components and materials guarantee peak performance in every condition, location, and environment. Amphenol Broadband amplifiers are designed to meet the highest technical performance in the broadband industry. The integrated MoCA filter enhances the in-home MoCA network while providing MoCA band isolation to the cable plant. Trust your network with the Amphenol Broadband Solutions Amplifier.



IPA2151L3-VF-85

## Features & Benefits:

- Compact Housing
- Integrated MoCA filter
- Built to SCTE Standards
- Ultra-Linear 1GHz RF Performance
- IEEE C62.41 Surge Rated On All Ports
- Rugged, Corrosion-Resistant Zinc Die-Cast, Nickel Plated Housing
- Machined F-ports with Circumference Premium Contact
- Local and Remote DC Powering With LED Indicator
- Unique True Flex™ housing with Quick Mount™

## Applications:

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

## Additional Info:

### Specifications

Forward	Units	Condition	IPA2151L3-VF-85
Output Ports			1
Frequency Range	MHz		102 to 1002
Gain	dB	102 -1002 MHz	15.0 ±1.5
Slope	dB	102 -1002 MHz	<1.0
Frequency Response	dB p-p	102 -1002 MHz	±1.0
Return Loss (Input, Output)	dB	102 -1002 MHz	18 dB minimum, 22 dB typical
Channel Loading		102 -1002 MHz	72 NTSC analog + 75, 256 QAM digital @-6dB to analog
Rated Input Level	dBmV	Flat	10
CTN	-dBc	10 dBmV in	>60
CTB	-dBc	10 dBmV in	>73
CSO	-dBc	10 dBmV in	>62
XMOD	-dBc	10 dBmV in	>75
SCTE Rated Output Level	dBmV	70, 60, 65 dBc	30
HUM Modulation	-dBc	102 -1002MHz	>70
Noise Figure	dB	Input	<5
Group Delay	ns	ch. A3-A1(3.58MHz span)	<30
Group Delay	ns	ch. A (3.58MHz span)	<5
RF Port-to-Power Isolation	dB	102 -1002 MHz	>60
Reverse	Units	Condition	IPA2151L3-VF-85
Frequency Range	MHz		5 MHz to 85 MHz
Insertion Loss	dB	5-85 MHz	1.0 dB typical, 1.9 dB maximum
Frequency Response	dB p-p	5-85 MHz	<1.0
Return Loss (Input, Output)	dB	5-85 MHz	18 dB minimum, 22 dB typical
Group Delay	ns	5-6.5 MHz, 1.5 MHz span	<20
Group Delay	ns	6.5-83 MHz, 1.5 MHz span	<10
Group Delay	ns	83.5-85 MHz, 1.5 MHz span	<30
Other	Units	Condition	IPA2151L3-VF-85
Surge Withstand		IEEE C62.41	6kV A3 ring
Surge Withstand		IEEE C62.41	6kV B3 combo
MoCA Band Rejection	dB	1125-1675 MHz	-40 dB (Amplifier Output to Input)
Dimensions	in(mm)	Length 3.40 (86.4) X Width 1.76 (44.7) X Depth 1.35 (34.3)	
DC Current Consumption	mA	12-15VDC	150
Temperature	F (C)		-40° to 140° (-40 to +60)
Water Proof	psi		15
Housing		Material	Nickel Plated Zinc Die-Cast
AC-DC Power Supply	Units	Condition	IPS120400
AC Input Range	VAC		100-240
DC Output Voltage	VDC		12
DC Output Current	mA		400

Specifications Are Subject To Change Without Notice  
Unless otherwise noted, all specifications are typical  
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Customers are reminded that are SOLELY responsible for confirming that all products are properly installed and used in accordance with codes and regulations.

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