Amphenol Broadband Solutions®

Data Plus IPA3000DSL-RSVF
Data Plus Amplifier Series

Description:

Data Plus Amplifiers include unique design features to increase reliability and decrease installation time. The patented Blue Port/ Blue Label marks the passive data port. By utilizing a passive data port on the amplifier, modem/VoIP service will not be interrupted in the event of power loss. Dedicated local powering port, Dual LED status lights, small compact design, and True Flex™ housing are just a few features assisting the technician in every installation.

IPA3004DSL-RSVF
With Data Stabilization

IPA3008DSL-RSVF
With Data Stabilization

Features & Benefits:

- Ultra Linear 1.2 GHz Performance
- Uninterrupted VoIP Service
- 1-Passive VoIP / Cable Modem Data Port
- Dedicated Local Power Port
- Rugged, Corrosion-Resistant Zinc Die-Cast Housing
- Data Sabilization (Power Failure Impedance Protection)
- Unity Gain Forward and Reverse
- Unique True Flex™ housing with Quick Mount™
- UL Approved

Applications:

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

Additional Info:

Specifications

Forward	Units	Condition	IPA3004DSL-RSVF	IPA3008DSL-RSVF
Number of Output Ports			4	8
Frequency Range	MHz		54 to 1218	54 to 1218
Gain	dB	54-1218 MHz	0.0±1.0	0.0±1.0
Slope	dB	54 -1218 MHz	0.0±1.0	0.0±1.0
Frequency Response	dB p-p	54 -1218 MHz	≤1.0	≤1.0
Return Loss (Output)	dB	54 -1218 MHz	≥20	≥20
Return Loss (Input)	dB	54 -1218 MHz	≥20	≥20
Isolation	dB	54 -1218 MHz	≥25	≥25
Channel Loading		54 -1218 MHz	77 NTSC analog + 75 256 QAM @ -6dBc	
Rated Input Level	dBmV	Flat	10	10
CTN	-dBc	10 dBmV in	≥55	≥55
CTB	-dBc	10 dBmV in	≥75	≥75
CSO	-dBc	10 dBmV in	≥65	≥65
XMOD [4]	-dBc	10 dBmV in	≥75	≥75
Rated Output Level	dBmV	@CTB73, CSO62, XM65 dBc	≥17	≥17
HUM Modulation	-dBc	54 -1218MHz	≥80	≥80
Noise Figure	dB	Input NF less input losses	≤5	≤5
Group Delay	ns	ch. 2 (-3.58 MHz span)	≤20	≤20
Group Delay	ns	ch. 3 (-3.58 MHz span)	≤10	≤10
Group Delay	ns	ch. 4+ (-3.58 MHz span)	≤5	≤5
RF-to-Power Port Isolation	dB	5 - 1218 MHz	≥60	≥60
2nd Harmonic	-dBc	54-84 MHz @ 60dBmV	≥80	≥80
Reverse	**Units**	**Condition**	**IPA3004DSL-RSVF**	**IPA3008DSL-RSVF**
Frequency Range	MHz		5 MHz to 42 MHz	5 MHz to 42 MHz
Gain	dB	5-42 MHz	0.0±0.5	0.0±0.5
Frequency Response	dB p-p	5-42 MHz	≤1.0	≤1.0
Return Loss	dB	5-42 MHz	≥18	≥18
Isolation	dB	5-42 MHz	≥25	≥25
DSO @ 6 or 32 MHz	-dBc	55 dBmV Out @13&19 MHz	≥55	≥55
DTO @ 7 or 25 MHz	-dBc	55 dBmV Out @13&19 MHz	≥60	≥60
Rated Output Level	dBmV	@DSO55, DTO60 -dBc	≥55	≥55
Noise Figure	dB	Output NF less output losses	≤5	≤5
Group Delay	ns	5-6 MHz 1.0 MHz span	≤20	≤20
Group Delay	ns	6-10 MHz 1.0 MHz span	≤15	≤15
Group Delay	ns	10-36 MHz 1.0 MHz span	≤5	≤5
Group Delay	ns	36-42 MHz 1.0 MHz span	≤20	≤20

Additional Info:

Specifications

Passive Data Port	Units	Condition	IPA3004DSL-RSVF	IPA3008DSL-RSVF
Frequency Range	MHz		5 MHz to 1218 MHz	5 MHz to 1218 MHz
Frequency Response	dB p-p	5-1002 MHz	≤1.0	≤1.0
Frequency Response	dB p-p	1002-1218 MHz	≤0.5	≤0.5
Insertion Loss	dB	5-600 MHz	≤4.5	≤4.5
Insertion Loss	dB	600-1218 MHz	≤6.0	≤6.0
Return Loss	dB	5 -1218 MHz	≥20	≥20
Other				
Surge Withstand (All Ports)		IEEE C62.41	6kV A3 ring	6kV A3 ring
Surge Withstand (All Ports)		IEEE C62.41	6kV B3 combo	6kV B3 combo
EMI	dB	5-1218 MHz	≥110	≥110
Dimensions	in (mm)	Length	5.40 (137.2)	5.40 (137.2)
Dimensions	in (mm)	Width	2.82 (71.67)	2.82 (71.6)
Dimensions	in (mm)	Depth	1.35 (34.3)	1.35 (34.3)
DC Current Consumption	ma	12 VDC	300	300
AC Power Consumption	W	120 VAC (SM) Linear	4.7	4.7
Environmental				
Temperature	F (C)		-40° to 140° (-40 to +60)	-40° to 140° (-40 to +60)
Water Proof	psi		15	15

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