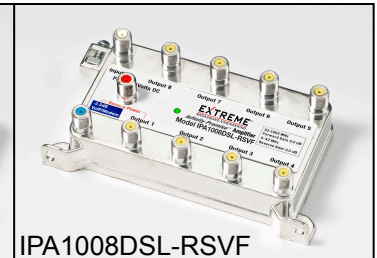
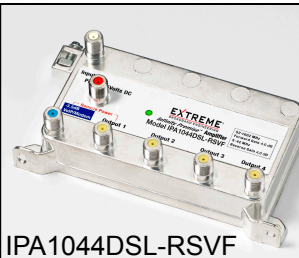


Model IPA1000DS(L) Series Data Plus Amplifiers With Data Stabilization and Active Return

**Product Features**

- Uninterrupted VoIP Service
- 1-Passive VoIP / Cable Modem Data Port
- Power Failure Impedance Protection
- Select 1, 4, or 8 Amplified RF Outputs
- Active Reverse
- Optional Local Power Port (L)
- Unique True Flex Housing

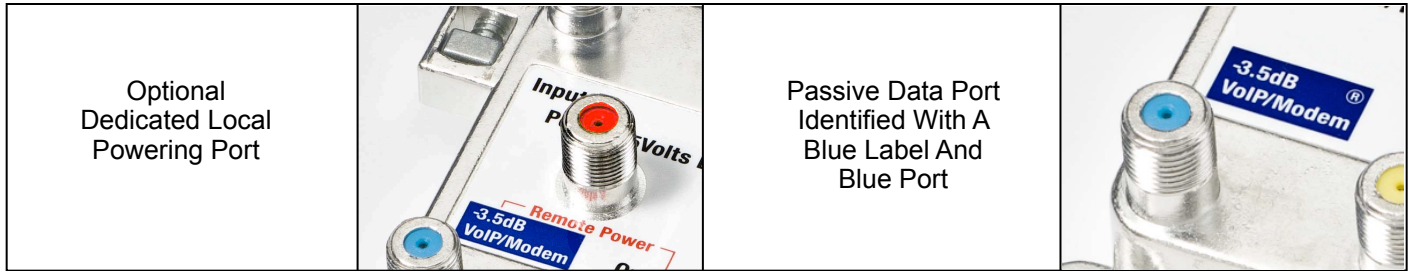


Parameter	Units	Condition	Model		
			IPA1111DSL-RSVF	IPA1044DS(L)-RSVF	IPA1008DS(L)-RSVF
Forward			One Port	Four Port	Eight Port
Frequency Range	MHz		54 MHz to 1002 MHz		
Gain	dB	54 MHz	11.0±0.5	3.5±0.6	0.0±0.7
		1002 MHz	11.0±0.5	3.5±0.6	0.0±0.7
Slope	dB	54-1002 MHz	<0.5	<1.0	<1.5
Flatness	dB p-p	54-1002 MHz	<0.5	<1.0	<1.0
Return Loss (Output)	dB	54-1002 MHz	>20		
Return Loss (Input)	dB	54-1002 MHz	>20 (Power ON or OFF)		
Isolation	dB	54-860 MHz	N/A	>22	
		860-1002 MHz	N/A	>22	
Channel Loading		54-1002 MHz	77 NTSC analog + 38, 64 QAM digital @ -6dB to analog		
Rated Input Level	dBmV	Flat	10 dBmV		
CTN	-dBc	10 dBmV in	>60		
CTB	-dBc	10 dBmV in	>85		
CSO	-dBc	10 dBmV in	>70		
XMOD	-dBc	10 dBmV in	>75		
SCTE Rated Output	dBmV	70, 60, 65 dBc	24	21	18
HUM Modulation	-dBc	54-1002 MHz	>80		
Noise Figure	dB	Input	<8		
Group Delay	ns	ch. 2-4 (-3.58 MHz span)	<20		
		ch. 5 (-3.58 MHz span)	<5		
	dB	5-1002 MHz	>60		
Reverse					
Frequency Range	MHz		5 MHz to 42 MHz		
Gain	dB	5-42 MHz	11.0±0.5	3.5±0.5	0.0±0.5
Flatness	dB p-p	5-42 MHz	<1.0		
Return Loss	dB	5-15 MHz	> 18		
		IN 15-40 MHz	> 25		
		OUT 15-40 MHz	> 25		
		40-42 MHz	> 18		
Isolation	dB	5-15 MHz	N/A	>25	
		15-40 MHz	N/A	>25	
		40-42 MHz	N/A	>25	
DSO @ 6 or 32 MHz	-dBc	55 dBmV @ 13&19 MHz	<55		
DTO @ 7 or 25 MHz	-dBc	55 dBmV @ 13&19 MHz	<65		
SCTE Rated Output	dBmV	55 -dBc	53		
Noise Figure	dB	Output	<6	<13	<17
Group Delay	ns	5-6.5 MHz 1.5 MHz span	<20		
		6.5-40 MHz 1.5 MHz span	<10		
		40-42 MHz 2.0 MHz span	<30		

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Model IPA1000DS(L)

Series Data Plus Amplifiers With Data Stabilization and



Parameter	Units	Condition	Model		
			IPA1111DSL-RSVF	IPA1044DS(L)-RSVF	IPA1008DS(L)-RSVF
Passive Data Port			One Port	Four Port	Eight Port
Frequency Range	MHz		5 MHz to 1002 MHz		
Flatness	dB p-p	5-1002 MHz	<0.5		
Insertion Loss	dB	5-1002 MHz	-3.8±0.5		
Return Loss	dB	5-1002 MHz	>20		
Other					
Surge Withstand (All Ports)		IEEE C62.41	6kV A3 ring		
		IEEE C62.41	6kV B3 combo		
EMI	dB	5-1525 MHz	>130		
Dimensions	in (mm)	Length	5.40 (137.2)		
	in (mm)	Width	2.82 (71.6)		
	in (mm)	Depth	1.35 (34.3)		
DC Current Consumption	ma	12-15VDC	280		
AC Power Consumption	VA	120 VAC in	7.8		
Environmental					
Temperature	F (C)		-40° to + 140° (-40 to +60)		
Water proof	psi		15		

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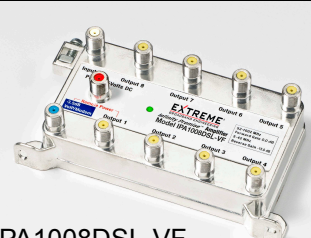
Model IPA1000DS(L) Series Data Plus Amplifiers With Data Stabilization and Passive Return

**Product Features**

- Uninterrupted VoIP Service
- 1-Passive VoIP / Cable Modem Data Port
- Power Failure Impedance Protection
- Select 1, 4, or 8 Amplified RF Outputs
- Passive Reverse
- Optional Local Power Port (L)
- Unique True Flex Housing



IPA1044DSL-VF

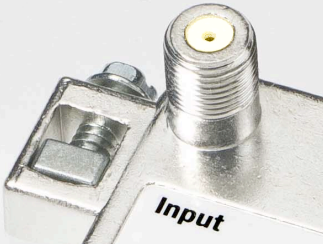



IPA1008DSL-VF

Parameter	Units	Condition	Model		
			IPA1111DSL-VF	IPA1044DS(L)-VF	IPA1008DS(L)-VF
Forward			One Port	Four Port	Eight Port
Frequency Range	MHz		54 MHz to 1002 MHz		
Gain	dB	54 MHz	11.0±0.5	3.5±0.6	0.0±0.7
	dB	1002 MHz	11.0±0.5	3.5±0.6	0.0±0.7
Slope	dB	54-1002 MHz	<0.5	<1.0	<1.5
Flatness	dB p-p	54-1002 MHz	<0.5	<1.0	<1.0
Return Loss (Output)	dB	54-1002 MHz	>20		
Return Loss (Input)	dB	54-1002 MHz	>20 (Power ON or OFF)		
Isolation	dB	54-860 MHz	N/A	>22	
	dB	860-1002 MHz	N/A	>22	
Channel Loading		54-1002 MHz	77 NTSC analog + 38, 64 QAM digital @ -6dB to analog		
Rated Input Level	dBmV	Flat	10 dBmV		
CTN	-dBc	10 dBmV in	>60		
CTB	-dBc	10 dBmV in	>85		
CSO	-dBc	10 dBmV in	>70		
XMOD	-dBc	10 dBmV in	>75		
SCTE Rated Output	dBmV	70, 60, 65 dBc	24	21	18
HUM Modulation	-dBc	54-1002 MHz	>80		
Noise Figure	dB	Input	<8		
Group Delay	ns	ch. 2-4 (-3.58 MHz span)	<20		
	ns	ch. 5 (-3.58 MHz span)	<5		
RF Port-to-Power Port	dB	5-1002 MHz	>60		
Reverse					
Frequency Range	MHz		5 MHz to 42 MHz		
Gain	dB	5-42 MHz	-3.5±0.5	-11.0±0.5	-15.0±0.5
Flatness	dB p-p	5-42 MHz	<1.0		
Return Loss	dB	5-15 MHz	> 18		
	dB	IN 15-40 MHz	> 25		
	dB	OUT 15-40 MHz	> 25		
	dB	40-42 MHz	> 18		
Isolation	dB	5-15 MHz	N/A	>25	
	dB	15-40 MHz	N/A	>25	
	dB	40-42 MHz	N/A	>25	
DSO @ 6 or 32 MHz	-dBc	55 dBmV @ 13&19 MHz	N/A		
DTO @ 7 or 25 MHz	-dBc	55 dBmV @ 13&19 MHz	N/A		
SCTE Rated Output	dBmV	55 -dBc	N/A		
Noise Figure	dB	Output	N/A		
Group Delay	ns	5-6.5 MHz 1.5 MHz span	<20		
	ns	6.5-40 MHz 1.5 MHz span	<10		
	ns	40-42 MHz 2.0 MHz span	<30		

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Model IPA1000DS(L) Series Data Plus Amplifiers With Data Stabilization and Passive Return

<p>Input Port Located In Upper Left For Easy Access When Mounted. The White Port Color Makes For Easy Identification</p>		<p>Vertical True Flex Mounting Tabs Enable Vertical, Horizontal Or Quick Mounting When Used With Quick Mount Rails</p>	
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Parameter	Units	Condition	Model		
			IPA1111DSL-VF	IPA1044DS(L)-VF	IPA1008DS(L)-VF
Passive Data Port			One Port	Four Port	Eight Port
Frequency Range	MHz		5 MHz to 1002 MHz		
Flatness	dB p-p	5-1002 MHz	<0.5		
Insertion Loss	dB	5-1002 MHz	-3.8±0.5		
Return Loss	dB	5-1002 MHz	>20		
Other					
Surge Withstand (All Ports)		IEEE C62.41	6kV A3 ring		
		IEEE C62.41	6kV B3 combo		
EMI	dB	5-1525 MHz	>130		
Dimensions	in (mm)	Length	3.40(86.4)	5.40 (137.2)	
	in (mm)	Width	2.82 (71.6)		
	in (mm)	Depth	1.35 (34.3)		
DC Current Consumption	ma	12-15VDC	150		
AC Power Consumption	VA	120 VAC in	5.4		
Environmental					
Temperature	F (C)		-40° to + 140° (-40 to +60)		
Water proof	psi		15		

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