

Model IPA1044D(L)-VF Series Data Plus Amplifiers

Product Features

- 1-Passive VoIP / Cable Modem Port
- 4- RF Outputs
- Standard 54-1002 MHz Cable Bandwidth
- Available with Active or Passive Reverse
- Optional Local Power Port (L)
- Unique True Flex Housing



IPA1044D-RSVF

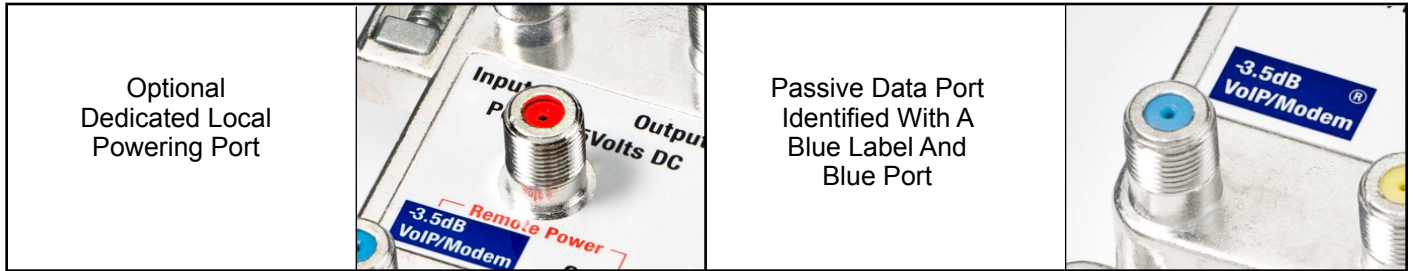


IPA1044DL-RSVF

Parameter	Units	Condition	Model	
			IPA1044D(L)-VF	IPA1044D(L)-RSVF
Forward				
Frequency Range	MHz		54 MHz to 1002 MHz	
Gain	dB	54 MHz	3.5±0.6	
		1002 MHz	3.5±0.6	
Slope	dB	54-1002 MHz	<1.0	
Flatness	dB p-p	54-1002 MHz	<1.0	
Return Loss (Output)	dB	54-1002 MHz	>20	
Return Loss (Input)	dB	54-1002 MHz	>20	
Isolation	dB	54-860 MHz	>22	
		860-1002 MHz	>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 Level	dBmV	70, 60, 65 dBc	21	
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	
RF Port-to-Power Port Isolation	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
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	>25	
		15-40 MHz	>25	
		40-42 MHz	>25	
DSO @ 6 or 32 MHz	-dBc	55 dBmV @ 13&19 MHz	N/A	<55
DTO @ 7 or 25 MHz	-dBc	55 dBmV @ 13&19 MHz	N/A	<65
SCTE Rated Output Level	dBmV	55 -dBc	N/A	53
Noise Figure	dB	Output	N/A	<13
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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Parameter	Units	Condition	Model	
			IPA1044D(L)-VF	IPA1044D(L)-RSVF
Passive Data Port				
Frequency Range	MHz		5 MHz to 42 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	150	280
AC Power Consumption	VA	120 VAC in	5.4	7.8
Environmental				
Temperature	F (C)		-40° to + 140° (-40 to +60)	
Water proof	psi		15	

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