

# CDA Series

## 1 GHz CATV Drop Bi-Directional Amplifiers



CDA Series  
(front view)

### Features

- Forward bandwidth 54 to 1000 MHz allows use in large broadband systems. Return bandwidth 5 to 42 MHz allows interactive revenue generating services
- Ultra low 4.5 dB noise figure provides clean distribution, reducing digital artifacts in digital signals, and provides clearer analog pictures
- 6 kV surge protected on all ports to protect consumer equipment from transient voltages and line surges
- Output or independent power F-port capability provides powerful flexibility option for local or remote powering
- External UL approved power supply for domestic and international use

### Specifications

#### CDA Series

<b>BANDWIDTH</b>		5-1000 MHz
<b>GAIN (FWD) 54-1000 MHz</b>	CDA-1	13.5 dB min.
	CDA-2	9.5 dB min.
<b>OUTPUTS</b>	CDA-1	1
	CDA-2	2
<b>MAXIMUM OUTPUT (158 Channels)</b>	CDA-1	23 dBmV
	CDA-2	19 dBmV
<b>GAIN (RET) 5-42 MHz</b>	CDA-1	9 dB min. (1A) / -2 dB min. (1P)
	CDA-2	7 dB (2A)
<b>GENERAL</b>		
<b>FLATNESS (FWD)</b>		± 1.0 dB
<b>NOISE FIGURE (FWD)</b>		4.5 dB
<b>COMPOSITE SECOND ORDER (FWD)</b>		62 dB
<b>COMPOSITE TRIPLE BEAT (FWD)</b>		74 dB
<b>POWER SUPPLY VOLTAGE</b>		12 VDC @ 300mA
<b>DIMENSIONS</b>		3.4"H x 4.3"W x 0.9"D (8.64H x 10.92W x 2.29D cm)
<b>WEIGHT</b>		0.8 lbs (0.36 kg)

TOTAL # OF CHANNELS	INPUT LEVEL (dBmV)	OUTPUT LEVEL (dBmV)
7	40 dBmV	55 dBmV
12	38 dBmV	53 dBmV
36	28 dBmV	43 dBmV
48	24 dBmV	39 dBmV
78	19 dBmV	34 dBmV
108	14 dBmV	29 dBmV
125	10 dBmV	25 dBmV
158	8 dBmV	23 dBmV



CDA-1A

CDA-2A

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(front view)

## Ordering Information

Part Number	Description
<b>CDA-1A</b>	1 GHz CATV Drop Bi-Directional Amplifier with Active Reverse
<b>CDA-1P</b>	1 GHz CATV Drop Bi-Directional Amplifier with Passive Reverse
<b>CDA-2A</b>	1 GHz CATV Drop Bi-Directional Amplifier with Active Reverse

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