# **CDA Series**

## 1 GHz CATV Drop Bi-Directional Amplifiers

#### 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

### Specifications

#### **CDA Series**

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



- 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

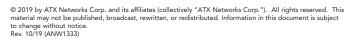
TOTAL # OF CHANNELS	INPUT LEVEL (dBmV)	OUTPUT LEVEL (dBmV)
7	40 dBmV	55 dBmV
12	38 dBmV	53 dBmV
36	28 dBmV	43 dBmV
48	24 dBmV	39 dBmV
78	19 dBmV	34 dBmV
108	14 dBmV	29 dBmV
125	10 dBmV	25 dBmV
158	8 dBmV	23 dBmV



## **Ordering Information**

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

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