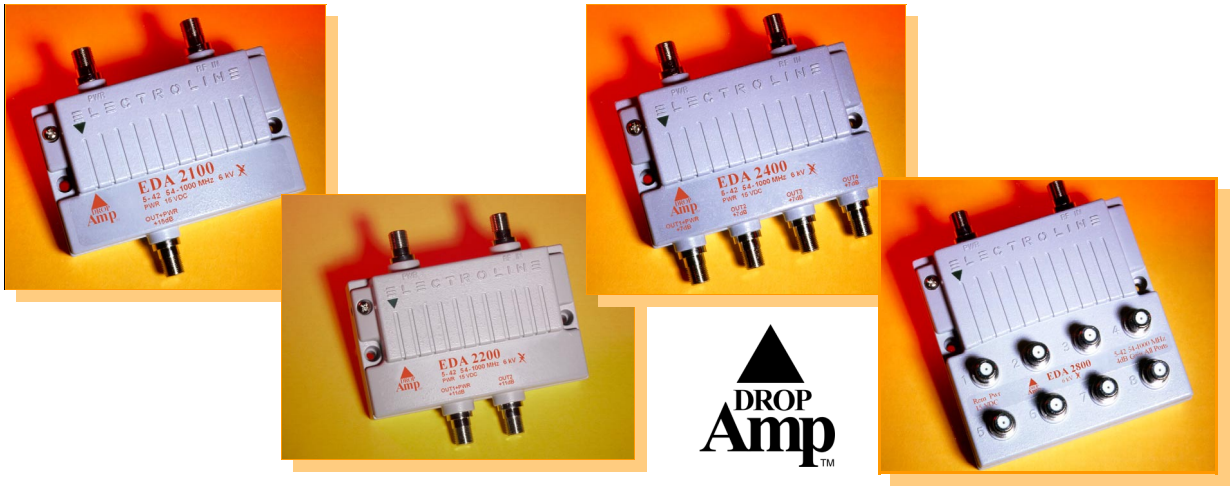
The New EDA 2000 Series



Description

With the new improved EDA 2000 Series, subscribers experience ultimate performance and reliability from ultra-low noise amplification of CATV signals.

The New EDA 2000 Series comes in four versions (1, 2, 4 and 8-ports) to meet specific, multiple service requirements for fast-growing, video, data and telephony services. The main improvement is extra surge protection (XSP) to the IEEE 6 kV 3 kA combination wave standard. This test injects 35 times more energy than the level found in previous models.

Latest Improvements

- **Enhanced Surge Protection** for superior lightning protection;
- **10 Year Warranty** that sets a new standard in the Drop Amplifier category;
- **360° F Connectors** for increased contact surface and retention force.

Features

- Field-proven reliability with over 1.5 million units already deployed
- 3 dB noise figure is industry benchmark
- Fully waterproof housing
- SCTE compliant F connectors
- Visible LED for unit power verification
- Short-circuit protected wall adapters (PTC)
- Available in 1, 2, 4, and 8 port models
- Designed and manufactured at North American ISO 9001 certified facility

The Electroline Advantage

The EDA 2000 Series is complemented by the Electroline ReturnPath Amplifier (ERA) for reliable upstream communication and the EDA-EQ 3100 with its own built-in forward equalizer for long cable drop installations of 150 feet or more.

With over 10 years experience in Gallium Arsenide (GaAs), Electroline is a market leader with the most complete line of drop amplifiers.

EDA 2000 Series Drop Amplifier Specifications*

	EDA2100	EDA2200	EDA2400	EDA2800
Number of Ports	1	2	4	8
Forward Gain	15 dB	11 dB	7 dB	4 dB
Return Path Insertion Loss	0.5 dB	4 dB	7.5 dB	10.5 dB

Characteristics common to all EDA 2000 Series amplifiers:	
Forward Passband	54-1000 MHz 85-1000 MHz
Return Passband	5-42 MHz 5-65 MHz
Flatness	± 1 dB
Return Loss	20 dB typical (18 dB min.)
Port-Port Isolation	25 dB
Distortions Composite Second Order[1] Composite Triple Beat[1] Cross-modulation[1]	 -62 dBc (max.) -74 dBc (max.) -75 dBc (max.)
Noise Figure	3 dB
Forward Path Group Delay (3.58 MHz span) Channel 2 Channel 3 Other Channels	 20 ns (max.) 10 ns (max.) 5 ns (max.)
Return Path Group Delay (1 MHz span) 5-42 MHz 10-36 MHz	 20 ns (max.) 5 ns (max.)
Hum Modulation	-70 dBc
RFI Isolation	100 dB (min.)
PWR to RF IN Isolation	100 dB (min.)
Surge Protection (IEEE C62.41-1991, all ports) Ring Wave Combination Wave	 6 kV, 500 A, loc. B3 6 kV, 3 kA, loc. B3
Recommended Wall Adapter Output Rating	15 VDC 270-300 mA PTC Short-circuit protection
Operating Temperature	-40° C to +60° C
F Connector Type	SCTE IPS-SP-400 compliant, 360° contact, water sealed

Power inserter[2] (optional)

110 or 220 VAC PTC-protected wall adapter[2] Included in EDA kit

[1] Input levels at +10 dBmV flat 77 channels, and 200 MHz of broadband noise from 590 to 790 MHz at 6 dB below video carrier.

[2] Models may vary from pictures shown.

*Specifications are subject to change without notice.

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