

# EDA 2000 Series

Drop Amp



## Description

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

The 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;
- **360° F Connectors** for increased contact surface and retention force.

## The Electroline Advantage

The EDA 2000 Series is complemented by other high quality Electroline products designed for application in Hybrid Fiber and Co-axial (HFC) and Fiber to the Home (FTTH) Networks. Electroline's RF drop amplifiers are the industry benchmark for quality, performance and value. Electroline's North American facilities are ISO 9001 certified.

**With over 15 years experience in Gallium Arsenide (GaAs), Electroline is a market leader with the most complete line of drop amplifiers.**



## Features

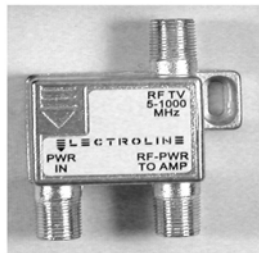
- Field-proven reliability with over 1.5 million units already deployed
- 3 dB noise figure is industry benchmark
- Fully waterproof housing
- SCTE Compliant F connectors
- Visible LED for power verification
- Available in 1, 2, 4 and 8 port models
- MOCA compatible

# EDA 2000 Series Drop Amplifier Specification\*

	EDA2100	EDA2200	EDA2400	EDA2800
Number of ports	1	2	4	8
Forward Gain	15 dB	11.5 dB	8 dB	4.5 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
Return Passband	5-42 MHz
Flatness	± 1 dB
Return Loss	20 dB typical (18 dB min.)
Port-Port Isolation	25 dB typical (20 dB min.)
Distortions	Composite Second Order <sup>1</sup> -62 dBc (max.) Composite Triple Beat <sup>1</sup> -74 dBc (max.) Cross-modulation <sup>1</sup> -75 dBc (max.)
Noise Figure	3 dB typical
Forward Path Group Delay (3.58 MHz span)	Channel 2 20 ns (max.) Channel 3 10 ns (max.) Other Channels 5 ns (max.)
Return Path Group Delay (1 MHz span)	5-42 MHz 20 ns (max.) 10-36 MHz 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) (RF ports and wall adapter)	Ring Wave 6 kV, 500 A, loc. B3 Combination Wave 6 kV, 3 kA, loc. B3
Recommended Wall Adapter Output Rating	15 VDC 200mA
Operating Temperature	-40° C to +60° C
F Connector Type	SCTE IPS-SP-400 compliant, 360° contact, water sealed

Power inserter<sup>2</sup>  
(optional)



120 VAC  
Wall adapter<sup>2</sup>  
Included in EDA kit

## Notes:

<sup>1</sup> 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.

<sup>2</sup> Models may vary from pictures shown.

\*Specifications are subject to change without notice.

For more information on our products, please visit: [www.electroline.com](http://www.electroline.com) or call: 800-461-3344

