



The EDA-UG 2402 & 2802



**Maintain Signal Levels
Without Excess Gain**



Description

Ideal for multiple-service and multiple-outlet applications, the EDA-UG 2402 and 2802 unity gain drop amplifiers provide the exact signal levels required for optimum service performance. They provide 0 dB loss after splitting the signal in both 4 or 8 ways, which means no additional signal is distributed.

In addition, these drop amplifiers do not require any calculation since the signal level at the subscriber terminal is automatically equal to the signal level at the input, thus simplifying installations.

Features

- Fully compatible with all digital signal formats, forward and reverse
- 5-42 MHz return band (North America)
- 6 kV surge protection on all ports
- Waterproof housing
- Powered locally or remotely
- Visible LED for unit power verification
- 4 & 8 port models
- Water-sealed SCTE-compliant connectors
- MOCA compatible

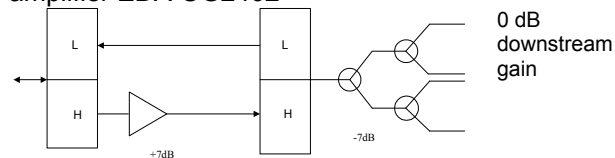
The Electroline Advantage

The EDA-UG 2402 and 2802 drop amplifiers are complemented by other high quality Electroline products designed for application in Hybrid Fiber and Coaxial (HFC) and Fiber to 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.

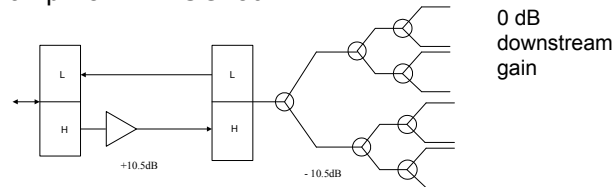
With over 15 years experience in Gallium Arsenide (GaAs), Electroline is a market leader with the most complete line of drop amplifiers.

EDA-UG Internal Schematic

Schematic diagram for the 4-port Unity Gain amplifier EDA-UG2402



Schematic diagram for the 8-port Unity Gain amplifier EDA-UG2802



EDA-UG 2402 & 2802 Drop Amplifier Specification*

Part number	Description
EDAUG2402	Four output unity gain amplifier with 5-42 MHz passive return path.
EDAUG2403	Four output unity gain amplifier with 5-42 MHz passive return path. Includes power inserter module.
EDAUG2802	Eight output unity gain amplifier with 5-42 MHz passive return path.
EDAUG2803	Eight output unity gain amplifier with 5-42 MHz passive return path. Includes power inserter module.

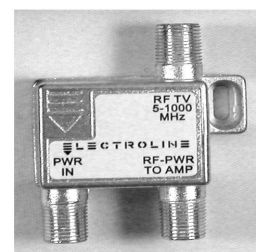
Characteristics common to all EDA-UG Series amplifiers:

Forward Passband	54-1000 MHz
Return Passband	5-42 MHz
Forward Gain	Four ports Eight ports
	0 dB 0 dB
Return Path Insertion Loss	Four ports Eight ports
	7.5 dB 10.5 dB
Flatness	± 1 dB
Return Loss (all ports)	20 dB typical
Port-Port Isolation	25 dB typical
Distortions	Composite Second Order ¹ Composite Triple Beat ¹ Cross-modulation ¹
	-62 dBc (max.) -74 dBc (max.) -75 dBc (max.)
Noise Figure	5 dB typical
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	6 kV (RF ports and wall adapter) C62.41-1991 combo 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

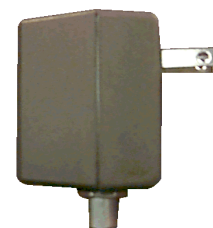
¹ Input levels at +10 dBmV flat 77 channels, and 200 MHz of broadband noise from 590 to 790 MHz at 6 dB below video carrier.

² Models may vary from pictures shown.

*Specifications are subject to change without notice.



**Power inserter²
(optional)**



**120 VAC
Wall adapter²
Included in EDA
kit**

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