

ViaLiteHD® – EDFA

Erbium-Doped Fiber Amplifiers (EDFA)

- Next generation variable gain EDFA
- Single or multi-channel EDFA available
- 8 dB to 36 dB gain variants
- SNMP and RS232 control
- Fast start-up time
- AGC (Automatic gain control)
- Bi directional Option
- Standard 5-year warranty

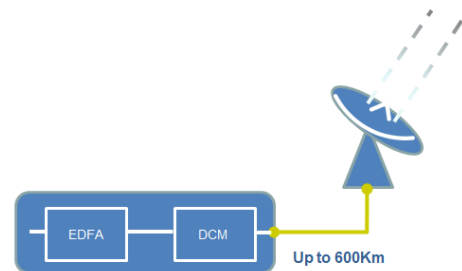


The **ViaLiteHD** Erbium Doped Fiber Amplifier (EDFA) is available in either a single channel or multi-channel format depending on where it is utilized in the system.

The EDFAs have low noise figures and variable gain ensuring the optimization of link noise figure and performance. They are available as part of a Ka-Band diversity antenna system, ultra-long distance system (up to 600 km) or as a stand-alone product.

Options

- Low noise figure
- SNMP and RS232 control
- Fixed gain, auto power control, auto gain control software selectable
- Low switching time
- 8 dB, 18 dB, 20 dB, 23 dB, 24 dB, 33 dB or 36 dB gain (other gain variants available)
- Single channel or multiple channel



Applications

Ka-Band diversity rain fade application
Fixed satcom earth stations and teleports
Gateway reduction within a satellite footprint
Government installations
Remote monitoring stations
Remote oil and gas locations
Remote wind farm locations

Formats

1U Chassis

Related Products

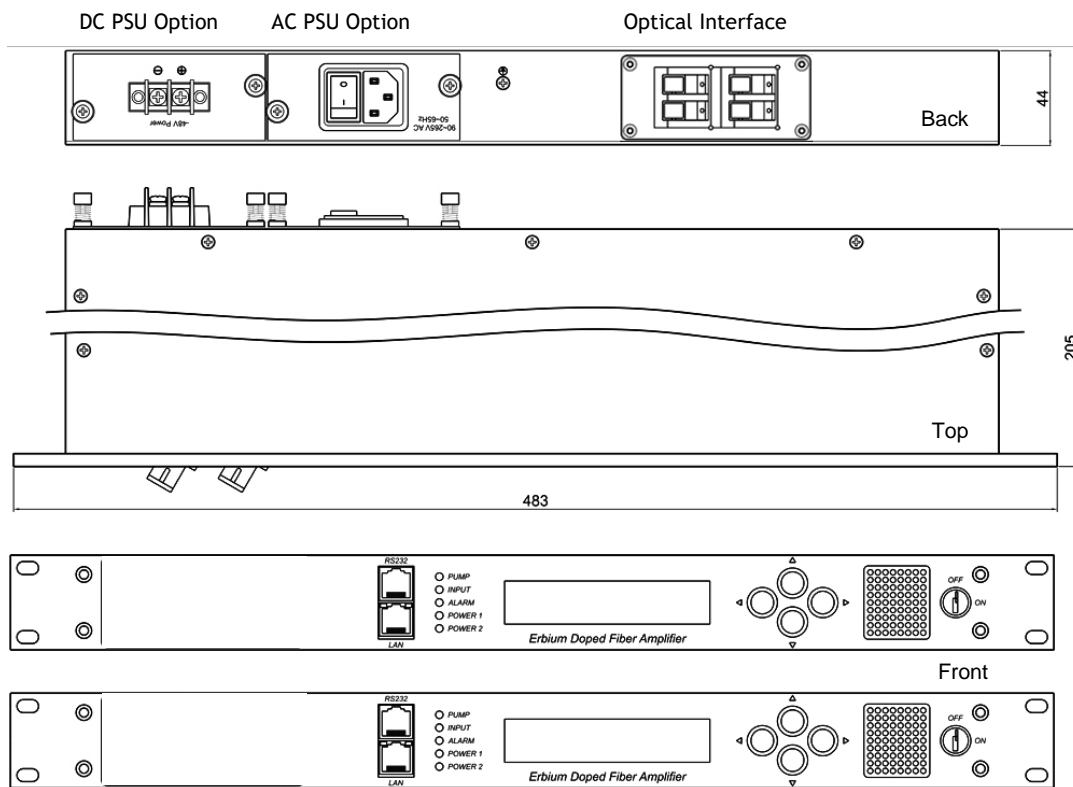
50 km 1550 nm L-Band HTS
50 Ohm DWDM L-Band HTS
>50 km systems
DWDM Multiplexers
Optical Switches
Optical Delay Lines

Popular products





HRA-3-0B-8T-AF-D001 – **ViaLiteHD** EDFA, 24 dB Optical Amplifier, single channel
HRA-4-0B-8T-AB-D008 – **ViaLiteHD** EDFA, 13 dB Optical Amplifier, 8 channels

Technical specification

	EDFA
Part Number	HRA-4-CB-8T-ZZ-D016-BC
Frequency range	Not Frequency Dependent
Gain	9 dB
Gain adjustment range	Fixed
Input level	-0 - +14 dBm
Saturation O/P Power	+23 dB (typ)
Noise Figure (at default gain)	5 dB (typ)
SNMP Interface	RJ45
Input power	90-265 VAC
Operating temperature range	-20 °C to +65 °C
Storage temperature range	-40 °C to +80 °C
Humidity	5% non-condensing humidity



Accessories

<p>RF over Fiber L-Band HTS DWDM Links</p> 	<ul style="list-style-type: none"> • L-Band HTS (700-2450 MHz) • Up to 500 km systems available • 1 to 96 channels per fiber • Ideal for Ka-Band rain fade diversity • 5 mW Laser
<p>RF over Fiber Timing modules</p> 	<ul style="list-style-type: none"> • Radio timing signals: DCF, MSF signals JJY, BPC, HBG, TDF, WWVB, WWV, CHU, RJH, RWM, • IRIG-B • Loran-C & eLoran • 10 kHz – 50 MHz signals • GPS (via GPS Link) • MiFID II standard
<p>Rack Chassis</p> 	<ul style="list-style-type: none"> • 3U accepts up to 13 RF or Support cards, plus an SNMP card and dual power supplies • A 1U chassis accepts up to 3 RF or Support cards or 2 cards and an SNMP card (with dual power supplies) • Up to 26 channels per 3U chassis (using dual RF cards) – reducing the amount of rack space required • Blind mate option • All modules hot-swappable and auto-reconfigure with SNMP option • On-card LNB and BUC power options • Power fed through rear chassis connector to card Bias Tees • System can be monitored and controlled remotely via SNMP using a web browser
<p>Outdoor Enclosures</p> 	<ul style="list-style-type: none"> • CE approved and EMC compatible • IP rated and NEMA approved • Plug and play format • Suitable for harsh environments • All modules hot swappable • Dual redundant power options • Interface for monitor and control (M&C) systems