



1550nm EDFA

Key Features

- Automatic control of the output optical power
- Output optical power attenuation is adjustable
- High-performance erbium doped fiber amplifier, high efficiency energy conversion
- Advanced 32 bit processor, with automatic monitoring circuitry. Accurately monitors and controls the optical output power and various parameters of the pump laser, ensures stable optical output power and can effectively extend the working life of the pump laser.
- Front panel LCD display shows all status parameters and provides ability to set parameters on the EDFA
- 1RU standard 19" rackmount cabinet, equipped with standard IEEE802.3 10Base-T Ethernet interface and RS232 interface, for network management monitoring and control console
- Optional 48VDC power



Description

The Multicom 1550nm Erbium Doped Fiber Amplifier (EDFA) is a low noise 1550nm optical amplifier, designed using advanced optical principles. The hot pluggable, redundant power EDFA is designed to amplify 1550nm optical signals to increase the optical transmission distance over fiber, and can be used in conjunction with the Multicom 1550nm optical transmitters.

The MUL-EDFA-V-1 is flexible enough to perform in numerous upstream and downstream applications, including supertrunk transmission, hub interconnects and 1310/1550nm overlays. All internal laser parameters and monitoring functions are under microprocessor control. The front panel LCD displays status information related to laser operation, temperatures, laser pump status, comprehensive alarm information, as well as SNMP configuration. The units are packaged in slim 1.75-inch high (1RU), 19-inch aluminum rack-mounted enclosures.

MUL-EDFA-V-1-18-48VDC

- Optional
- Output Power (dBm) - 18, 20, 24
- Output Port(s)
- Factory
- Erbium Doped Fiber Amplifier

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Product Specifications

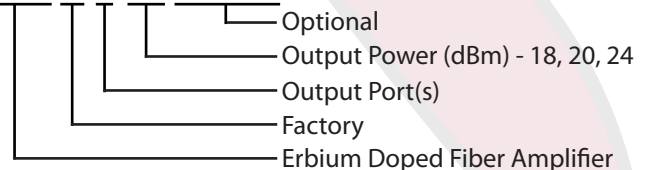
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Technical Specifications

Item	Unit	Technical Parameter	Notes
Operating bandwidth	nm	1535 - 1565	
Optical input power range	dBm	-5 ~ +10	
Optical output power	dBm	18 or 24	Optional
Output power stability	dBm	± 0.2	
Noise figure	dB	≤ 5.0	Optical input power 0dBm
Return loss - Input port	dB	≥ 45	
Return loss - Output port	dB	≥ 45	
Optical connector type		SC/APC	
Power supply voltage	V	110V - 240VAC (50/60 Hz) or 48VDC (optional)	Hot pluggable, redundant power
Power consumption	W	< 30	
Operating temperature range	°C	-5 - +55	23 - 130°F
Storage temperature range	°C	-30 - +70	-22 - 158°F
Max operating/storage relative humidity	%	95	No condensation
Dimensions	mm	483 (L) x 340 (W) x 44 (H)	19in x 13.4in x 1.75in

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