

EDFA-LA Series

EDFA-LA series are specially designed for single channel fiber system, and installed in the transmission line to replace traditional O-E-O regenerators. They can compensate for loss of optical power and extend signal transmission distance.

The products are Telcordia GR-1312-CORE qualified, and RoHS compliant.



Applications

- Long-distance backbone network
- SDH/PDH transmission system

Features

- High gain with low noise figure
- Flexible monitoring interface
- Network monitoring available
- High reliability
- Standard rack, easy installation and maintenance

Specifications

Parameter	Unit	Value		
		Min.	Typ.	Max.
Operation Wavelength	nm	1530	1550	1565
Rated Optical Gain	dB		25	
Input Optical Power	dBm		-10	
Output Optical Power	dBm		15	
Noise Figure ¹	dB		5.0	
Input /Output Return Loss	dB		45/45	
Polarization Dependent Gain	dB			0.3
Operation Temperature	°C	-5		+50
Storage Temperature	°C	-25		+70
Power Consumption	W			20
Package	mm	Refer to the ordering information		

Notes:1. At 1550nm, -10dBm input power.

Ordering Information

Rated Gain	Saturated Output Power	Connector	Power	Package
20:20dB 25:25dB 30:30dB	9:9dBm 15:15dBm 17:17dBm	FC/UPC	AA:-48V DC, Dual Power Supply	41:19inch(482×200×44)and 21inch(533×200×44) racks compatible, 1U height, 210mm depth