

EDFA-LA Series



EDFA-LA series are specially designed for single channel fiber system, and installed between the optical terminals to replace traditional O-E-O regenerators and extend signal transmission distance.

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

Features

- High gain with low noise figure
- Wide operation wavelength range
- Flexible monitoring interface
- High reliability
- Easy installation and maintenance

Applications

- SDH/PDH system

Specifications

| Parameter | Unit | Value | | |
|-----------------------------|------|-----------------------------------|-------|------|
| | | Min. | Typ. | Max. |
| Operation Wavelength | nm | 1530 | 1550 | 1565 |
| Optical Rated 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 | | +55 |
| Storage Temperature | °C | -25 | | +70 |
| Power Consumption | W | | | 20 |
| Package | mm | Refer to the ordering information | | |

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

Ordering Information

| | | | | | | | | | | | | |
|-----------------------------|---|------------------------------|---|---------------------|---|-----------|---|--|---|--|---|--|
| EDFA | — | LA | — | | — | | — | | — | | — | |
| Rated Gain | | Output Power | | Connector | | Power | | Package | | | | |
| 25:25dB customer specify | | 15:15dBm customer specify | | FC,SC,LC/PC,UPC,APC | | A:-48V DC | | 11:482×200×44 21:533×200×44 41:19inch and 21inch racks compatible | | | | |