

C Band Single Channel Inline EDFA

Lightem LCSA52 Fiber optic EDFA product series features high gain and low loss amplification in single channel C-Band (1528~1564nm). It meets the single channel C-Band Inline EDFA 's requirement. It is optimized in design of the optical path and high-quality GFF, as well as gain spectrum in the whole C-Band.

LCSA52 front LCD panel provides features include work index of all equipment include, alarm, optical loss, laser operating status.



FEATURES

- Covered full C-Band
- High gain, low noise
- Low power consumption
- Low noise figure
- Excellent P/P ratio

SPECIFICATIONS

| Optical Parameters | Min | Typ | Max | Unit | Remark |
|--|-------|------------|------|---------|-------------------------|
| Operating wavelength range | 1528 | | 1564 | (nm) | C Band |
| Input optical power (Pi) | -25 | | -10 | (dBm) | |
| Output optical power (Po) | 13 | | 23 | (dBm) | Refer to ordering info. |
| Noise figure | | 5.0 | | (dB) | Max output & gain |
| Polarization dependence loss (PDL) | | | 0.3 | (dB) | |
| Polarization dependence Gain (PDG) | | | 0.3 | (dB) | |
| Polarization mode dependence (PMD) | | | 0.3 | (ps) | |
| Input/Output optic isolation | 30 | | | (dB) | |
| Pump leakage power | | | -30 | (dBm) | |
| Echo loss | 45/55 | | | (dB) | UPC/APC |
| Optical Supervisory Channel Wavelength | 1500 | 1510 | 1520 | (nm) | |
| General features | | | | | |
| SNMP Network Management Interface | | | | (RJ45) | |
| Communication interface | | | | (RS232) | |
| Power supply | 90 | | 265 | (V) | 220V AC |
| | 30 | | 72 | (V) | -48V DC |
| Power consumption | | | 30 | (W) | |
| Working temperature | -5 | | +70 | (°C) | |
| Storage temperature | -40 | | +85 | (°C) | |
| Working relative humidity | 5 | | 95 | (%) | |
| Size (W)×(D)×(H) | | 483x205x44 | | (mm) | |

ORDERING INFORMATION

| P/N | Max Output Power(dBm) (Pin=0dBm) | Wavelength (nm) |
|----------|----------------------------------|------------------|
| LCSA5213 | 13 | 1528~1564 C-Band |
| LCSA5217 | 17 | 1528~1564 C-Band |
| LCSA5218 | 18 | 1528~1564 C-Band |
| LCSA5220 | 20 | 1528~1564 C-Band |
| LCSA5223 | 23 | 1528~1564 C-Band |