

PRODUCT INTRODUCTION

Benchtop PM EDFA



Benchtop Polarization-maintaining EDFA is specially designed for fibre optic sensing, communication system, laboratory testing, etc.. Low noise 980 pump laser and polarization-maintaining passive components are adopted to ensure relatively high extinction ratio. it operates in ACC or APC mode. Based on fine temperature control technology inside and satble components, it provides excellent temperature characteristics even under harsh working environment.

Features

- The output power can reach 33dBm
- ACC/APC operation mode
- Low noise figure
- High stability and reliability
- High extinction ratio, >20dB
- Compliance with Telcordia GR-1312-CORE
- Customizable

Applications

- Fibre sensing
- Polarization-maintaining optical communication systems
- Doppler wind detection radar

Parameters

Specifications

| Product type | EYA-S-C-TS-33/XX-P | | |
|-------------------------|------------------------|---------------|---------|
| Parameters | Minimum | Typical value | Maximum |
| Wavelength(nm) | 1535 | 1550 | 1565 |
| Control mode | ACC (default) /APC | | |
| Input power(dBm) | -10 | 0 | 10 |
| Output power(dBm) | - | - | 33 |
| Extinction ratio(dB) | 20 | - | - |
| Noise figure(dB) | - | - | 5 |
| Supply voltage(V) | 174 | 220 | 260 |
| Communication interface | RS232 | | |
| Optical interface type | FC/APC or Customizable | | |
| Dimension(mm) | (W×L×H) 260×320×120 | | |

Environmental Specifications

| Parameters | Min | Max |
|-----------------------------------|----------------------------------|-----|
| Operating temperature (°C) | 0 | 40 |
| Storage temperature (°C) | -40 | 75 |
| Relative humidity (%RH) | 5 | 95 |
| Environmental/Reliability testing | Compliant with Telcordia GR-1312 | |