

PRODUCT INTRODUCTION

High Power EYDFA



The high-power EYDFA adopts a two-stage amplifier structure, with the maximum output power up to 40dBm. It has been widely used in CATV system and FTTH. The product can work in ACC/APC/AGC mode and adopt high performance temperature control technology to empower the product good thermal performance in a wide temperature range.

+ Features

- High output power
- ACC/APC/AGC operation mode
- High stability and reliability
- Customizable

+ Applications

- CATV
- FTTH
- Universities, research institutions

Parameters

Specifications

| Product type | EYA-S-C-6-XX/XX-1-4/6* ① | | |
|-----------------------------|---|---------------|---------|
| Parameters | Minimum | Typical value | Maximum |
| Wavelength (nm) | 1535 | 1550 | 1565 |
| Input power (dBm) | -3 | - | 10 |
| Output power (dBm) | 30 | - | 40 |
| Output power stability (dB) | ± 0.1 | | |
| Gain (dB) | - | 40 | - |
| Noise figure (dB) | 6 | | |
| Return loss (dB) | ≤ -45 | | |
| Gain slope accuracy (dBm) | 0.6 | 0.8 | 1.0 |
| Operating temperature (°C) | -5 | - | 55 |
| Storage temperature (°C) | -40 | - | 85 |
| Supply voltage (V) | 11.4 | 12.0 | 12.6 |
| Power consumption (W) | - | - | 50 |
| Communication interface | RS232/485 | | |
| Electric connector | TEM-115-02-03.0-FG-D-L1 or Customizable | | |
| Optical interface type | FC/APC or Customizable | | |
| Tail fibre length (cm) | > 50 | | |
| Dimension (mm) | 200(L)×142(W)×30(H) | | |

*① EYA-S-C-6-XX/XX-1-4/6, where XX/XX represent output power and gain respectively.