Advanced Fiber Resources (Wuhan), Ltd.

# QSFP-DD Dual EDFA

Rev A5

## Description

The QSFP-DD Dual EDFA is a pluggable dual EDFA product designed for C-Band DWDM amplification. It is designed to be compatible with QSFP-DD MSA on mechanical and electrical interface, which allow it be Plug-and-Play in QSFP-DD cage.

## Key Features

- QSFP-DD Form Factor
- Dual Channel Amplifier
- Variable Output power Setting

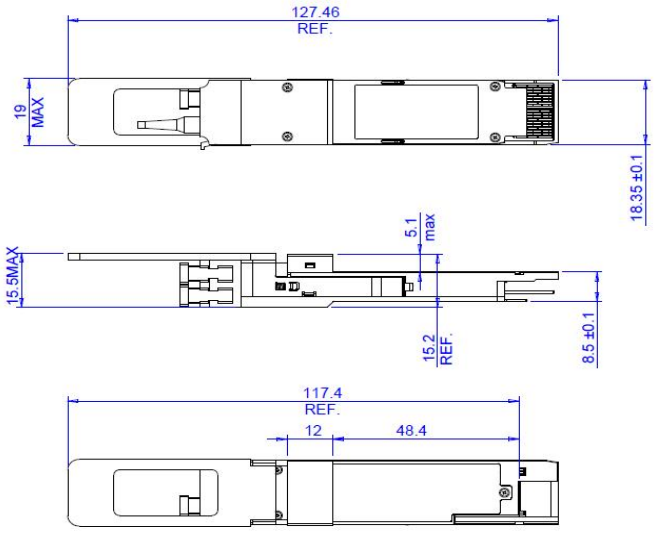
## Applications

- DWDM System
- Data Center Interconnect System

## Specifications

| Parameter | Unit | Value |
|---|---|---|
| Operating Wavelength Range | nm | 1542 to 1554 |
| Input Power Range | dBm | - 20 to - 11 |
| Max. Output Power | dBm | 14 |
| Min. Input Optical Power Shutdown | dBm | - 30 |
| Output Power Variation | dB | ± 0.5 |
| Fixed Gain | dB | 20 |
| Gain Flatness | dB | 1 |
| Gain Accuracy | dB | ± 1 |
| Max. Noise Figure | dB | PA:8/BA:10 |
| Max. Return Loss | dB | 40 |
| Max. VOA Attenuation | dB | 30 |
| Max. Polarization Dependent Gain | dB | 0.5 |
| Max. Polarization Mode Dispersion | ps | 0.5 |
| Operating Case Temperature | ℃ | - 5 to + 70 |
| Storage Temperature | ℃ | - 40 to + 85 |
| Working Voltage Range | V | 3.13 to 3.46 |
| Max. Power Dissipation | W | 3 |

## Package Dimensions




## Ordering Information

**EDFA-QSFPDD-**①-②-③③-④④

| ①: Channel | ②: Variable Output Power | ③③:Output Power | ④④: Fixed Gain |
|---|---|---|---|
| D - Dual Channle | 1 - With VOA | 14 - 14 dBm | 20 - 20 dB |
| | 2 - Without VOA | S - Specify | S - Specify |