



QSFP-DD Dual EDFA

Rev A3

Description

The QSFP-DD Dual EDFA is a pluggable dual EDFA product designed for C-Band 8 channels 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
- Transient Controlling
- Variable Output Power Setting

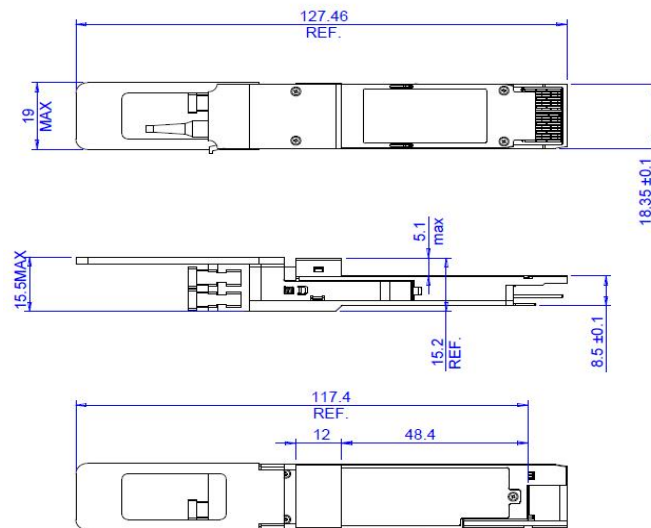
Applications

- DWDM System
- Data Center Interconnect System

Specifications

Parameter	Unit	Value
Operating Wavelength Range	nm	1535 to 1561
Channel Number	-	1 to 8
Input Power Range	dBm	- 20 to - 3
Max. Output Power	dBm	17
Min. Input Optical Power Shutdown	dBm	- 30
Output Power Variation	dB	± 0.5
Fixed Gain	dB	20
Gain Flatness	dB	2
Gain Accuracy	dB	± 0.5
Max. Noise Figure	dB	6.5
Max. Return Loss	dB	40
Max. VOA Attenuation	dB	30
Max. Transient Undershoot/Overshoot (100 µs event)	dB	1.5
Max. Transient Setting Time	ms	2
Max. Polarization Dependent Gain	dB	0.5
Max. Polarization Mode Dispersion	ps	0.5
Operating Case Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85
Working Voltage Range	V	3.13 to 3.46
Max. Power Dissipation	W	4

Package Dimensions



Ordering Information

EDFA-QSFPDD-①-②-③③-④④

①: Channel

D - Dual Channle

②: Variable Output Power

1 - With VOA

2 - Without VOA

③③: Output Power

17 - 17 dBm

S - Specify

④④: Fixed Gain

20 - 20 dB

S - Specify