



QSFP-DD Full C-Band EDFA

Rev A4

Description

The QSFP-DD Full C-Band EDFA is a pluggable EDFA product designed for full 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
- Full C-Band Gain Flatness
- Transient Controlling
- Variable Output Power Setting

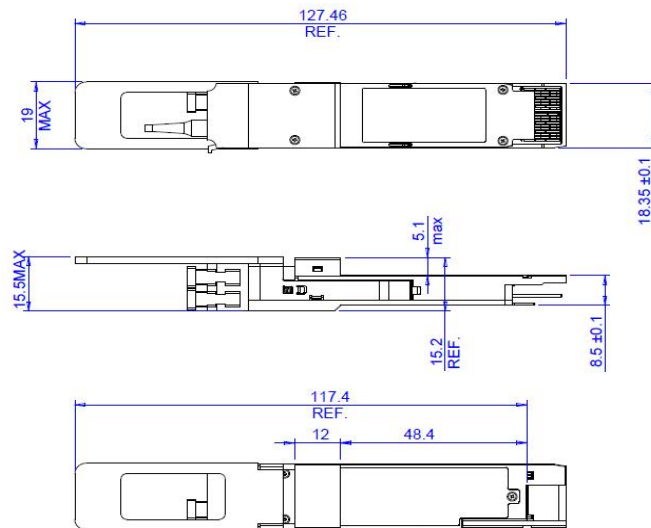
Applications

- DWDM System
- Data Center Interconnect System

Specifications

Parameter	Unit	Value
Operating Wavelength Range	nm	1528.38 to 1566.72
Channel Number	-	1 to 96
Input Power Range	dBm	- 20 to 2
Output Power Range	dBm	- 5 to 17
Min. Input Optical Power Shutdown	dBm	- 30
Output Power Variation	dB	± 0.5
Fixed Gain	dB	15
Gain Flatness	dB	1.5
Gain Accuracy	dB	± 0.5
Max. Noise Figure	dB	6.7
Max. Return Loss	dB	40
Max. VOA Attenuation	dB	30
Max. Polarization Dependent Gain	dB	0.5
Max. Polarization Mode Dispersion	ps	0.5
Max. Transient Undershoot/Overshoot (100 μ s event)	dB	1.5
Max. Transient Setting Time	ms	2
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

S - Single Channle

②: Variable Output Power

1 - With VOA

2 - Without VOA

③③: Output Power

17 - 17 dBm

SS - Specify

④④: Fixed Gain

15 - 15 dB

SS - Specify