

QSFP EDFA

Features

- QSFP form factor
- Support dual OA
- Fully controlled module with communication interface
- Support APC/ AGC control mode
- With saturation output power up to 15dBm



Applications

- DCI

Main Specifications

Parameter	Max	Min	Specification	Unit
Operating Wavelength			1539.1~1558.4	nm
Input Power			-24 ~ 8	dBm
Output Power	√		15	dBm
Gain			7 ~ 25	dB
Noise Figure at Flat Gain (G=19dB)	√		6	dB
Gain Ripple @ Flat Gain	√		0.8	dB
PDG	√		0.5	dB
PMD	√		0.5	ps
Input/ Output Return Loss		√	40	dB
Communication Interface			I2C/UART	
Power Supply Voltage			3.3	V
Operating Case Temperature			-5~70	°C
Storage Temperature			-40~80	°C
Operating Humidity			5~95	%
Dimensions			72.5*18.35*10.9	mm

Electronic Connector Pin Assignment

BOTTOM SIDE		TOP SIDE	
Pin#	Description	Pin#	Description
1	Ground	20	Ground
2	NC	21	NC
3	NC	22	NC

QSFP EDFA

4	Ground	23	Ground
5	NC	24	NC
6	NC	25	NC
7	Ground	26	Ground
8	Module select input	27	Module OA sent
9	Module reset input	28	OA PUMP TMP/EOL/LOS
10	3.3V power supply	29	3.3V power supply
11	2-wire serial interface clock	30	3.3V power supply
12	2-wire serial interface data	31	OA disable
13	Ground	32	Ground
14	NC	33	NC
15	NC	34	NC
16	Ground	35	Ground
17	NC	36	NC
18	NC	37	NC
19	Ground	38	Ground

Order Information

The above specifications represent the typical performance of O-Net amplifier of this category. Please contact our Sales to discuss your specific requirements.

