



Opto-Link
Corporation Ltd

Erbium-doped Fiber Amplifiers (EDFAs) for DWDM

This EDFA is designed for the Dense Wavelength Division Multiplexing (DWDM) applications. The device features excellent gain flatness, low noise figure and wide operating wavelength range. It also has good network control interface.

Applications

- Digital communication networks
- DWDM systems

Features

- Excellent gain flatness
- Low noise figure
- Wide operating wavelength range
- Good network control interface

EDFA for DWDM

Parameter		Performance		Unit
Operating Wavelength	16 Channels	1546 ~ 1561		nm
	32 Channels	1535 ~ 1562		nm
	40 Channels	1527~ 1562		nm
Input Power	Booster Amplifier	-14 to +5		dBm
	In-Line Amplifier	-26 to 0		dBm
	Pre-Amplifier	-29 to -5		dBm
Output Power		Max	21	dBm
Gain			14 to 33	dB
Noise Figure	Booster Amplifier	5.0		dB
	In-Line Amplifier	5.0		dB
	Pre-Amplifier	4.5		dB
Gain Flatness			1.0	dB
Isolation	Input	Min	30	dB
	Output	Min	30	dB
Output Pump Leakage			Max	-30
Return Loss	Input	Min	45	dB
	Output	Min	45	dB
Polarization Mode Dispersion (PMD)			Max	0.5
Polarization Dependent Gain (PDG)			Max	0.5
Power Consumption			Max	30
Operating Temperature				0 to 65
Operating Humidity				5 to 95
Storage Temperature				-40 to 85
Dimension *			Electric Module: (W x L x H) 150 x 125 x 24 Optical Module: (W x L x H) 120 x 100 x 25	mm

* The size of the product can be customized

ORDERING CODES

OLEDFA – D – – – [Output power (dBm)] – –

Amplifier Type	Code	Channel Number	Code
Booster Amplifier	B	16 channels	16
Line Amplifier	L	32 channels	32
Pre-amplifier	P	40 channels	40

Pigtail Type	Code
900 μm	90
3.0 mm	3

Connector Type	Code
FC/UPC	FU
FC/APC	FA
SC/UPC	SU
SC/APC	SA
MU/UPC	MU

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