



Opto-Link  
Corporation Ltd

# Erbium-Doped Fiber Amplifier (EDFA)

The C-Band and C&L-Band Single Channel EDFA is available in bench top or rack mountable unit. This device features high output power, high gain, low power consumption and low noise figure.

## Types

- C-Band, C&L-Band
- Bench-Top, Rack Mount



## Applications

- Optical Networks
- Lab Applications
- Testing



## Features

- High Output Power
- High Gain
- Low Noise Figure



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## SPECIFICATIONS

### C-Band Single Channel EDFA

Parameter	Min	Typ	Max	Unit
Operating Wavelength	1530	1550	1560	nm
Input Power	Booster	-6	+3	dBm
	In-Line Amplifier	-25	-3	dBm
	Pre-Amplifier	-40	-10	dBm
Output Power	Booster	+15		dBm
	In-Line Amplifier	+15		dBm
	Pre-Amplifier	-10	+10	dBm
Noise Figure (@-20dBm Input power)			5.5	dB
Isolation	Input	30		dB
	Output	30		dB
Polarization Dependent Gain (PDG)		0.3	0.5	dB
Polarization Mode Dispersion (PMD)		0.3	0.5	ps
Operating Temperature	0		40	°C
Storage Temperature	-10		70	°C
Voltage	220/110			V
Interface	RS232			
Dimensions	Bench top: 300 x 250 x 100			mm <sup>3</sup>
	Rack mount: 201 x 482.6 x 43.6			mm <sup>3</sup>

### C&L-Band Single Channel EDFA (Booster)

Parameter	Min	Typ	Max	Unit
Operating Wavelength	C-Band	1528	1562	nm
	L-Band	1570	1603	nm
Input Power	-6		+3	dBm
Output Power (@0dBm Input Power)		+15		dBm
Noise Figure (@0dBm Input Power)			5.5	dB
Isolation	Input	30		dB
	Output	30		dB
Return Loss	Input	45		dB
	Output	45		dB
Operating Temperature	0		40	°C
Storage Temperature	-10		75	°C
Voltage	220/110			V
Interface	RS232			
Dimensions	Bench top: 300 x 250 x 100			mm <sup>3</sup>
	Rack mount: 201 x 482.6 x 43.6			mm <sup>3</sup>

## ORDERING CODES

OLEDFA - [ ] - [ ] - [ ] - Output power (dBm) - [ ]

Type	Code	Amplifier Type	Code	Wavelength	Code	Output Power	Code	Connector Type	Code
Bench-Top	B	Booster amplifier	B	C-Band	C	+10dBm	10	FC/UPC	FU
Rack Mount	R	In-Line amplifier	L	C&L-Band	CL	+13dBm	13	FC/APC	FA
		Pre-amplifier	P	L-Band	L	+15dBm	15	SC/UPC	SU
						+17dBm	17	SC/APC	SA
						*+20dBm	20	MU/UPC	MU

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