



Opto-Link
Corporation Ltd

EDFA for SDH

This Erbium-Doped Fiber Amplifier (EDFA) is designed for the Synchronous Digital Hierarchy (SDH) applications. The device features wide input power, tunable output power and low noise figure. It also includes RS-232 computer interface.

Types

- Booster Amplifier
- In-Line Amplifier
- Pre-Amplifier



Applications

- SDH Networks

Features

- Wide Input Power Range
- Tunable Output Power
- Low Noise Figure
- RS232 Interface





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SPECIFICATIONS

EDFA for SDH

Parameter			Performance	Unit
Operating Wavelength			1530 to 1565 (Typical: 1550)	nm
Input Power	Booster Amplifier		-6 to +4	dBm
	In-Line Amplifier		-34 to -6	dBm
	Pre-Amplifier		-45 to -25	dBm
Output Power	Booster Amplifier		10 to 19	dBm
	In-Line Amplifier		0 to 19	dBm
	Pre-Amplifier	Max	-9	dBm
Noise Figure	Booster Amplifier	Typ	5.0	dB
	In-Line Amplifier	Typ	4.5	dB
	Pre-Amplifier	Typ	4.5	dB
Isolation	Input	Min	30	dB
	Output	Min	30	dB
Output Pump Leakage		Max	-30	dBm
Return Loss	Input	Min	45	dB
	Output	Min	45	dB
Polarization Dependent Gain (PDG)		Max	0.5	dB
Power Consumption		Max	25	W
Operating Temperature			0 to 50	°C
Operating Humidity			5 to 95	%
Storage Temperature			-40 to 75	°C
Voltage			Rack Mount: -48 DC Module Type: +5 DC	V
Dimension *			Rack Mount: (L x W x H) 201 x 482.6 x 43.6 Module Type: (L x W x H) 125 x 150 x 24	mm

* The size of the product can be customized

ORDERING CODES

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

Amplifier Type	Code
Booster Amplifier	B
In-Line Amplifier	L
Pre-amplifier	P

Pigtail Type *	Code
900 μ m	90
3.0 mm	3

* Option for Modules only

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

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