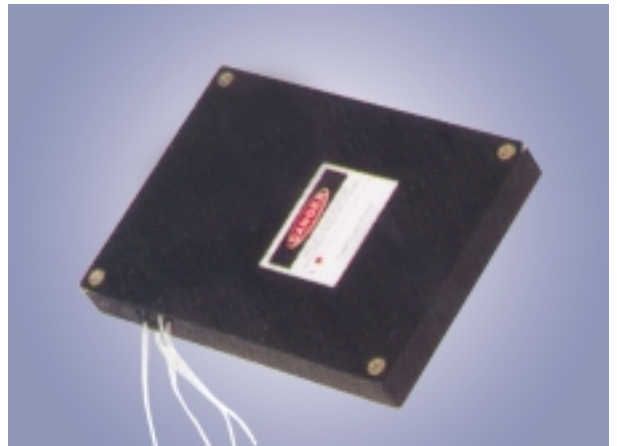




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# Multi-Functional Erbium-doped Fiber Amplifier (EDFA)

The Multi-Functional EDFA features high integration, low inter-stage insertion loss, low noise figure and excellent gain flatness. It possess tunable gain, stage node for optical add/drop multiplexer(OADM) & dispersion compensation module(DCM), automatic gain control(AGC), automatic power control(APC), automatic current control(ACC) working mode and good network interface.



## Applications

- Digital communication networks
- DWDM systems

## Features

- Stage node available for OADM & DCM
- High integration
- Low Inter-stage insertion loss
- Excellent gain flatness over the full C-Band
- Gain adjustable
- Low noise figure
- Transient response control
- ASE automatic compensation
- AGC, APC, ACC working mode available
- Good network interface



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## SPECIFICATIONS

### OADM EDFA

Parameter		Performance	Unit
Operating Wavelength		1527 ~ 1562	nm
Total Input Power		-30 to -9 (Typ: -12)	dBm
Total Output Power		5 to 20.5 (Typ: 20)	dBm
Gain		29 to 35 (Typ: 32)	dB
First Stage Gain		24 to 30 (Typ: 27)	dB
Second Stage Gain	Typ	15	dB
Noise Figure	Max	6.0 (Typ: 5.5)	dB
Gain Flatness	Max	1.0	dB
Middle Stage Insertion Loss	Typ	10	dB
Isolation (Input/Output)	Min	30	dB
Output Pump Leakage	Max	-30	dBm
Return Loss (Input/Output)	Min	40	dB
Polarization Mode Dispersion (PMD)	Max	0.5	ps
Polarization Dependent Gain (PDG)	Max	0.5	dB
Operating Temperature		0 to 65	°C
Operating Humidity		5 to 95	%
Storage Temperature		-40 to 85	°C
Power Consumption		Rack Mount: 50 Module Type: 30	W
Dimension *		Rack Mount: (L x W x H) 239 x 437 x 43.6 Module Type: (L x W x H) 125 x 150 x 23	mm

\* The size of the product can be customized

## ORDERING CODES

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

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

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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