

L-band single mode Erbium Doped Fiber Amplifier 1W



● Product Description

Idealphotonics' optical amplifier module, optional bands: O-band, S-band, C-band, L-band. Optional amplifier types: Booster Amplifier, Pre-Amplifier. Low noise, gain 8dB~40dB optional. EDFA- L-B-30-ISO series is a L-band fiber amplifier with a wavelength of 1565~1580nm. It has a wide range of applications including high-speed data signals, image signals, and femtosecond pulse amplification applications. For WDM signals, it has



excellent gain smoothness throughout the L-band broadband. Max. output, input/output fiber, control method and appearance can be customized.

● Product features

Output power: 20-40dBm、 Excellent noise figure、 Stable gain spectrum、
Low cost、 Output power and pump current monitoring、 ACC / ALC mode operation

● Part Number

MP-EDFA-L-1W-SA

● Application area

Optical communications、 Test and measurement、 Scientific applications

● Core parameters

Wavelength	Output Power	Connector
1565-1580nm	1W	FC/APC



● General Parameters

Electrical/optical properties:

Parameters	Unit	Min.	Typ.	Max.
Operating wavelength range	nm	1565	-	1580
Input optical power	dBm	-6	-	10
Output power	W	-	-	3
Noise index	dB	-	-	6
Operating temperature	°C	-5	-	+45
Operating humidity range	%	-	-	75
Storage temperature range	°C	-40	-	+85
Power supply		AC110-240V		
Operating mode		ACC/APC		
Pigtail		PM1550Ø3mmSlow axis alignment		
Connector type		FC/APC		
Dimensions	mm	260 (W) X320 (D) X120 (H)		

Note: If the input signal is a pulse laser with a repetition rate of less than 1MHz, do not use the APC mode, only the ACC mode can be used.



Ordering Information

MP-EDFA-△-PG-OPP-ISO △ :

C=C band

L=L Band

C+L=C+L Band

PG: package method

B: benchtop

M: module

OPP (Output Power): output power, Unit dBm

E.G. : 16-16dbm, 23-23dBm

ISO: Built-in isolator protection

0=None

1-Pump protection

XX: Fiber and Connector Type

SA=SMF-28E+ FC/APC

SP=SMF-28E+ FC/PC

PP=PM Fiber+ FC/PC

PA=PM Fiber+ FC/APC