

# Pulsed Erbium Doped Fiber Amplifier Modular

## EDFA 1528.77-1565.05nm



### ● Product Description

The pulse EDFA module can maintain the complete waveform when amplifying the reference signal. The product can work in ACC/APC/AGC mode and adopts highly feasible temperature control technology, so that the product has good thermal performance in a wide temperature range. It has been widely used in fiber optic sensing, wind measurement lidar, hydrophone systems and other fields.



## ● Product features

Maintain complete waveform、 ACC/APC/AGC operation mode、 Low noise,  
 low power consumption、 High stability, high reliability、 Customization

## ● Part Number

MP-EDFA-C-200-PM-P-M

## ● Application area

Fiber optic sensor 、 Wind radar 、 Hydroacoustic system、 Colleges and  
 universities, research institutes

## ● Core parameters

Wavelength	Output Power	Bandwidth
1528.77-1565.05nm	23dBm	100GHz

## ● General Parameters

Parameter

Parameter	Min.	Typical	Max.
Wavelength(nm)	1528.77	—	1565.05
Bandwidth(GHz)	—	100	—
Input Power(dBm)	-16	-12	-10



Output Power(dBm)	—	23	23.5
PER(dB)	—	20	23.5
Gain(dB)	—		
Gain flatness(dB)	—		
Noise figure(dB)	—	≤5.0 (P <sub>in</sub> =0dBm)	—
Return loss(dB)	≤-45		
Operating temperature(°C)	-40	—	65
Storage temperature(°C)	-40	—	85
Supply voltage(V)	4.75	5	5.25
Power consumption(W)	—	—	20
Communication interface	RS232/485		
Electrical connector	TEM-115-02-03.0-FG-D-L1		
Optical interface type	LC/SC/FC		
Pigtail length(cm)	100±2		
Dimensions(mm)	90(L)x70(W)x25(H)		

#### Technical indicators:

1. Output power is optional;
2. Peak operating wavelength can be specified;
3. Isolation refers to the isolation for ASE light;
- 4 The output power stability test condition is 25 degrees, after 30 minutes of preheating;



5. Max. power consumption refers to the overall power consumption under extreme working conditions.

## Ordering Information

MP-EDFA-△-PG-OPP-ISO

△:

C=C band

L=L Band

C+L=C+L Band

PG: Packaging method

B: benchtop

M: Module

OPP (Output Power): Output power, unit is dBm.

E.g. : 16-16dbm 23-23dbm,

ISO:Built-in isolator protection

0-None, 1-Pump protection