

C-band Modular Polarization Maintaining Erbium-doped Fiber Amplifier 23dBm



● Product Description

Idealphotonics' polarization-maintaining EDFA module uses a 980nm pump laser to provide energy, adopts polarization-maintaining passive devices, and has a high output extinction ratio. The product can work in ACC/APC/AGC mode, and uses highly achievable temperature control technology to enable the product to have good thermal performance in a

wide temperature range. It has been widely used in fiber optic sensing and fiber optic fields.

● Product features

Output power up to 40dBm、 ACC/APC/AGC operation mode、 Low noise index, low power consumption 、 High stability, high reliability 、 Customization

● Part Number

MP-EDFA-C-200-PM

● Application area

Fiber optic sensing 、 Polarization-maintaining optical communication system、 Universities, research institutes

● Core parameters

Wavelength	Output Power	Connector
1535-1565nm	23dBm	FC/APC



● General Parameters

Parameter

Parameters	Typical
Wavelength (nm)	1535-1565nm
Input Power (dBm)	-6~+10
Standby Protection Input Power (dBm)	≤-10
Saturated Output Power (dBm)	27/30/33/35/37/40 (P _{in} =-3dBm)
Adjustable Output Power Range	10%-100%
Noise Figure (dB)	≤6.0 (P _{in} =-3dBm)
Gain Wavelength Non-uniformity (dB)	≤1@Different wavelength
Polarization Dependent Gain (dB)	≤0.5
Polarization Mode Dispersion (ps)	0.5
Input/Output Isolation (dB)	>35
Optical Power Monitoring	Input/Output Optical Power Monitoring
Fiber/Connector	SMF-28e, FC/APC
Operating Mode	ACC/APC/AGC
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: 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