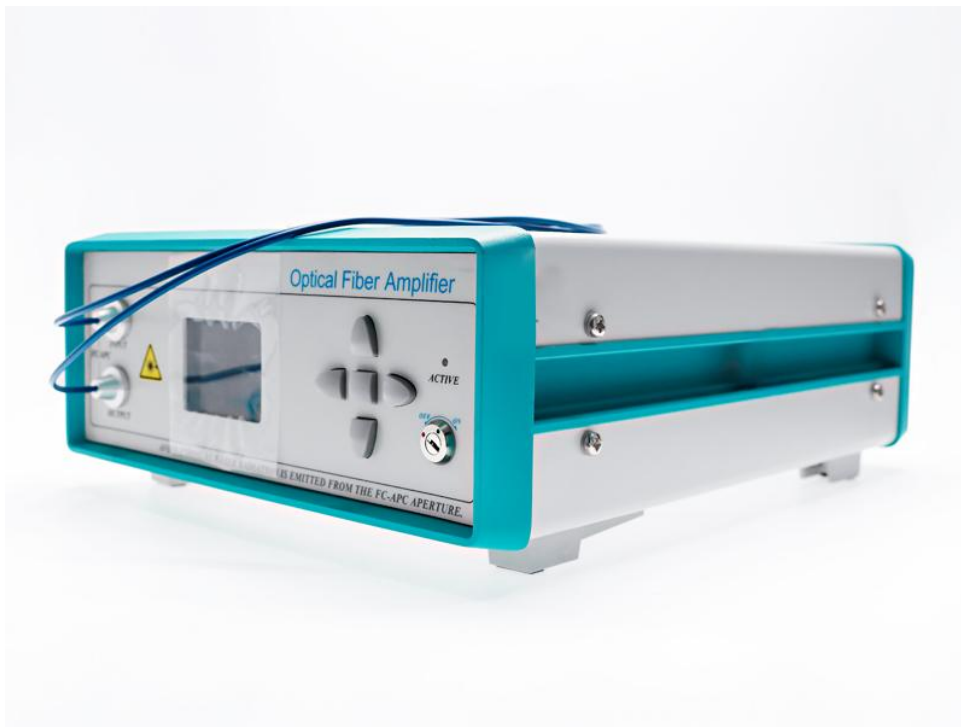


# C-band Single-mode Erbium-doped Fiber Amplifier 10W



## ● Product Description

Idealphotonics' amplifier modules are available in the following bands: O-band, S-band, C-band, and L-band. The amplifier types available are Booster Amplifiers and Pre-Amplifiers. These modules feature low noise and selectable gains ranging from 8dB to 40dB. The MP-EDFA-C-B-40-ISO series is an L-band fiber amplifier with a wavelength range of 1565~1580nm. It has a wide range of applications, including amplification of high-speed data signals, image signals, and femtosecond pulses. It offers excellent gain



flatness for WDM signals across the entire L-band. The maximum output, input/output fibers, control methods, and appearance can all be customized.

## ● Product features

Output Power: 20-40dBm、 Excellent Noise Figure、 Smooth Gain Spectrum、 Low Cost、 Output Power and Pump Current Monitoring、 LCD Display, Easy to Operate

## ● Part Number

MP-EDFA-C-10W-SA-ISO

## ● Application area

Optical Communication、 Testing and Measurement、 Scientific Applications

## ● Core parameters

Wavelength	Output Power	Fiber Type
1550nm	10mW	SMF-28e



## ● General Parameters

### Parameters

Parameters	Unit	Specs		
		Min.	Typ.	Max.
Operating wavelength range	nm	1529	1550	1561
Input signal power level	dBm	-6	0	10
Saturated output power @ 0dBm signal input	dBm	≥40dBm@-3dBm input		
Noise figure @ 0dBm signal input	dB	-	<5.5	-
Input/output optical isolation	dB	30	-	-
Output power stability (8 hours)	%	-	±1	±2
Signal input power monitoring		Yes		
Output power monitoring		Yes		
Adjustable output power		Yes		
Fiber type		SMF-28e		
Fiber length	m	>1		
Connector type		FC/APC, Other models available		
Adjustable output power range	%	10	-	100
Operating temperature range	°C	0	-	40
Storage temperature range	°C	-40	-	85
Operating voltage	VAC	220V/50Hz		
Electrical power consumption	W	-	-	100
Specifications and dimensions	mm	Rack/module customization available		

## Ordering info

MP-EDFA-△-PG-OPP-ISO

△:

C = C band

L = L Band



**C+L = C+L Band**

**PG: Packaging type**

**B: Desktop**

**M: Module**

**OPP (Output Power): Output power, in dBm.**

**For example: 16-16 dBm, 23-23 dBm, 40-40 dBm**

**ISO: Built-in isolator protection**

**0 - None**

**1 - Pump protection**