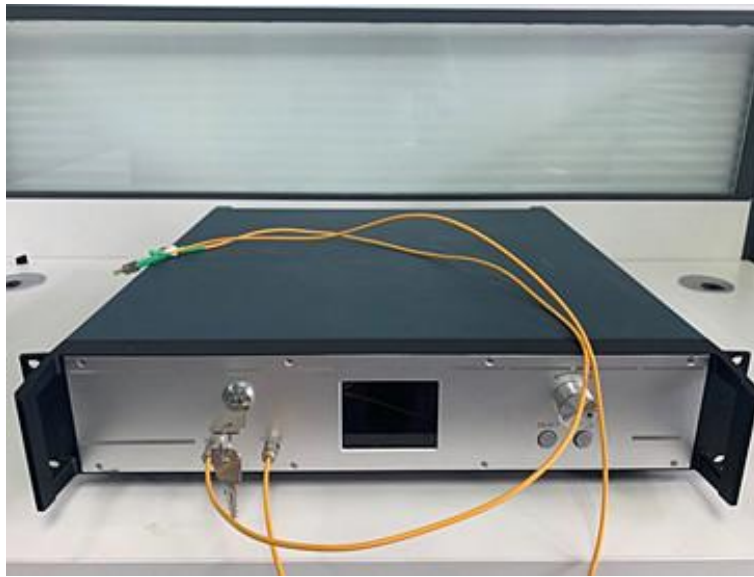


# 1.0um Desktop Polarization-Maintaining Fiber Amplifier 200mW



## ● Product Description

Idealphotonics adopts an all-polarization-maintaining fiber link design, specifically for narrow-linewidth (kHz) single-frequency signals, to perform multi-stage power amplification and achieve high power output. The output beam quality is close to the diffraction limit, maintaining a high polarization extinction ratio (PER). The high-power single-frequency polarization-maintaining fiber amplifier integrates unique stimulated Brillouin scattering (SBS) suppression technology and polarization control maintenance technology. The output power is available in a range from



hundreds of mW to 100W, meeting the diverse needs of different application fields. Our standard product for single-frequency polarization-maintaining fiber amplifiers is in a desktop package, and we can also offer modular products according to user requirements.

## ● Product features

Testing and Measurement、 Scientific Research、 Experimental Teaching、 Spectral Analysis

## ● Part Number

MP-OAP-1064-B-200-PA

## ● Application area

High output power 、 Good beam quality 、 Stable power 、 Reliable performance、 All-fiber structure design、 Single-mode output

## ● Core parameters

Wavelength	Output	Power Connector
1030-1090nm	200mW	FC/APC

## ● General Parameters

### Parameters

Parameters	Min.	Typ.	Max.	Unit
PN#	MP-OAP-1064-B/ M-200mW			
Central wavelength	1030	1064	1090	nm
Output power		-	200	mW
Output power adjustment range	10	-	100	%
Linewidth (FWHM)	-	-	1	nm
SMSR	35	-	-	dB
Beam quality	<1.1			M <sup>2</sup>
Operating mode	CW			
Output polarization state	PM			
Output power stability (15 minutes)	-	±0.5	±1.0	%
Output power stability (8 hours)	-	±1	±2	%
Optical isolation	35	-	-	dB
Return loss	40	-	-	dB
TEC stability	-	±0.1	±0.2	°C
TEC operating range	25	30	35	°C
Operating temperature	-25	-	65	°C
Storage temperature	-40	-	85	°C
Operating voltage	170	220	260	VAC
Output fiber type	PM980			
Output fiber length	>1			m



Parameters	Min.	Typ.	Max.	Unit
Specifications and dimensions	Rack/module customization available.			mm