Polarization-Maintaining 1018 Ytterbium-Doped Fiber Amplifier

Product Description

The Polarization-Maintaining 1018 Ytterbium-doped Fiber Amplifier is a high-power polarization-maintaining Ytterbium-doped Fiber Amplifier (YDFA); it is used to amplify the transmitted signal and improve the signal transmission distance. This series of amplifiers adopts an optimized optical path structure inside and cooperates with a highly reliable 976nm pump laser to achieve high-gain amplification output. Based on a stable and

efficient internal control system, combined with high-precision ATC and ACC/APC control circuits, the amplifier can operate stably and reliably. All product status parameters and configuration information can be remotely monitored and configured by the host computer. This series of fiber amplifiers has a variety of packaging forms to meet different application requirements.

Product features

High gain, low noise、 High stability and reliability、 Excellent heat dissipation structure、 Remote control

Part Number

MP-YDFA-1018-3W-PA

Application area

Fiber optic communication、Fiber optic sensing、LiDAR

Core parameters

Wavelength	Output Power
1018nm	35dBm

General Parameters

Parameters	Unit	Min.	Typ.	Max.
Operating wavelength	nm	1017.5	1018	1018.5
Input optical power	dBm	10	30	
Saturated output power	dBm	35（3W）		
Output power adjustment range	%	5		100
Input/output isolation	dB	35		
Operating temperature range	°C	-5		50
Storage temperature range	°C	-40		85
Pigtail type	PM980			
Power supply voltage	VAC	220		
Product dimensions	mm	4868x360x135(module)		
Communication protocol	RS232			
Operating mode	ACC/APC			

	Output power	Pigtail type	Pigtail length	Connector type	Dimensions
MP-YDFA	35=35dBm	09-0.9mm 20-2.0mm 30=3.0mm	1 =1m 2 =2m	FA=FC/APC FU=FC/UPC	M=module B=Benchtop