



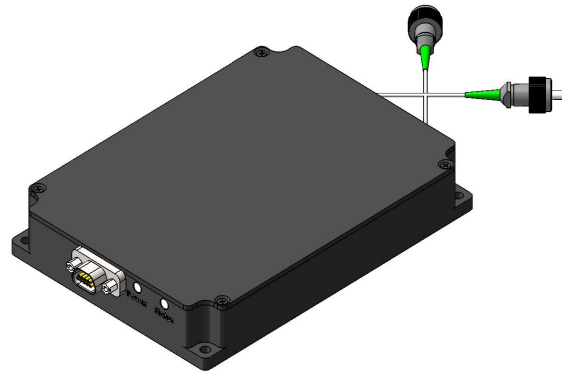
Pulsed Polarization Maintaining EDFA

1. Product Description

Beogold's pulsed polarization maintaining EDFA module is a pulse mode, high peak output power, single polarization erbium doped fiber amplifier. It has built-in drive circuit and logic control circuit for real-time monitoring of key information such as pump laser temperature, module temperature and signal gain. The module operates in a constant drive current (ACC) mode. It is an ideal amplifier for systems such as Doppler wind radar.

2. Features

- Human eye safety output wavelength 1550nm
- High output power stability
- Low noise figure
- Good temperature adaptability



3. Applications

- Doppler wind lidar
- Environmental monitoring
- Pollution monitoring
- Scientific research

4. Optical Specifications

Parameter	Min.	Typ.	Max.	Unit	Remarks
Operating Wavelength Range	nm	-	1550.12	-	
Input Optical Power	uw	30	40	42	
Output Optical Power	mw	18	20	20.5	
Average Optical Power Stability		-	1%	3%	
Input/Output Return Loss	dB	45	-	-	
Operating Mode	-	ACC			
Fiber Length	-	1000+/-10mm			
Fiber Connector	-	Input/Output: FC/APC			
Operating Temperature Range	°C	-10	-	+50	
Storage Temperature Range	°C	-40	-	+85	

5. Mechanical Structure

Structure Type	Parameter	Specifications	Remarks
Module	Dimensions	130x100x15mm	Can be customized
	Fiber Type	PM Fiber	
	Fiber Length	1000+/-10mm	
	Connector Type	FC/APC	

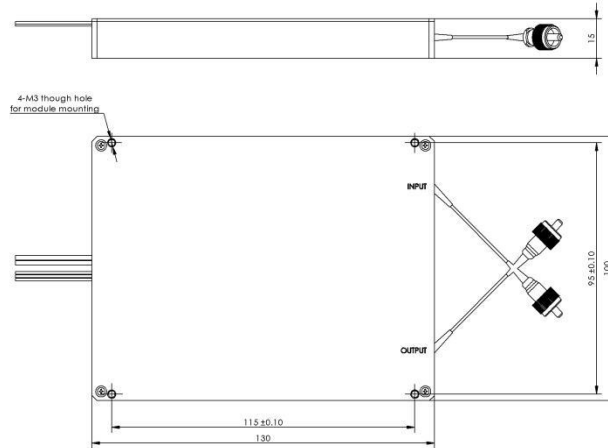
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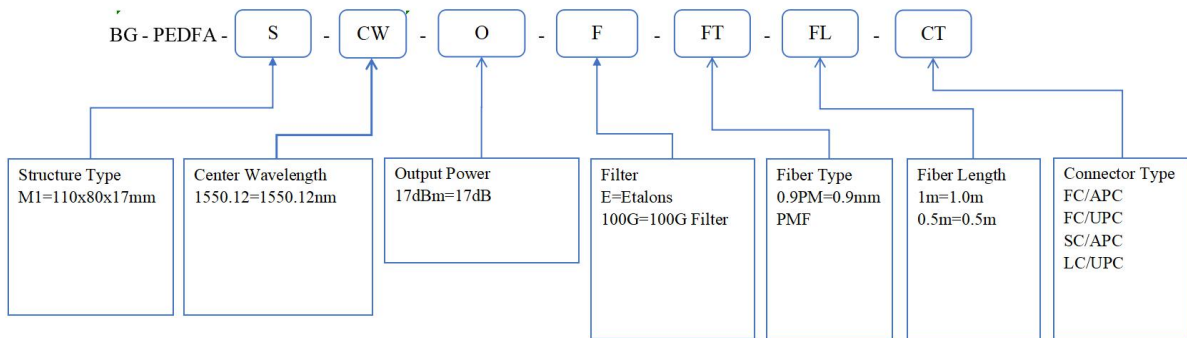
6. Electrical Specifications

Parameter	Minimum	Typical	Maximum	Unit	Remarks
Power Supply	-	DC-5	-		
Power Consumption	-	3.5	15	W	At full temperature

7. Communication Type

Structure Type	Parameter	Specifications	Remarks
Module	Communication Interface	DB9	Can be customized
	Protocol	RS232	
	Communication User Interface	Read and set output power	

8. Ordering Information



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