AC Photonics

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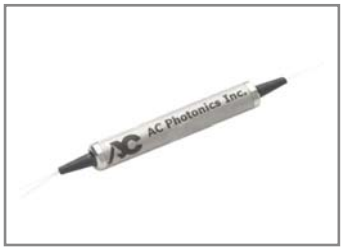
980nm Polarization Beam Combiner/Splitter



Key Features

- Low Insertion Loss
- High Extinction Ratio
- Compact In-Line Package
- High Stability and Reliability
- Epoxy Free Optical Path

Applications

- High Power EDFA
- Raman Amplifier
- Laboratory

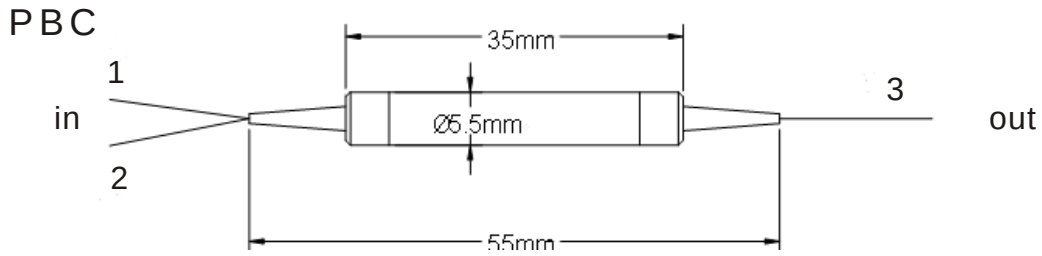
Performance Specifications

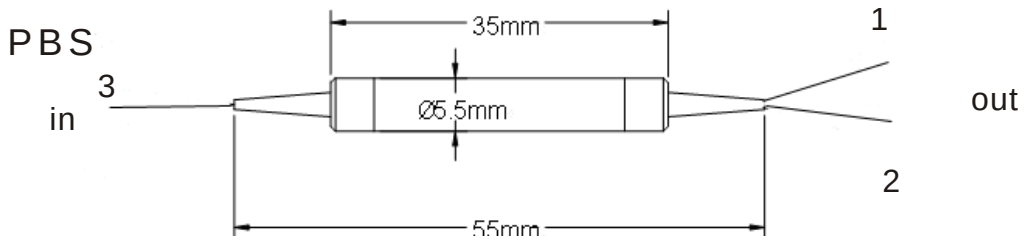
Parameter	Specifications	
	P Grade	A Grade
Channel Wavelength	980nm	
Operating Wavelength Range	± 30nm	
Insertion Loss (Typ.)	1.0dB	1.2B
Insertion Loss (Max.)	1.5dB	1.8dB
Extinction Ratio (for splitter only) (Min.)	16dB	15dB
Return Loss	≥ 50dB	
Direction of Incident Polarization	Slow Axis	
Optical Power	≤ 500mW	
Tensile Load (Max.)	5N	
Operating Temperature	-5 to +70°C	
Storage Temperature	-40 to +85°C	
Fiber Type	PM on port1 and 2, HI 1060 or PM on port3	
Package Dimensions	ø5.5xL35mm (L40mm for 900um loose tube)	

Note:

1. The PM fiber and the connector key are aligned to the slow axis.
2. The ER is for fiber </= 0.75 meter. Increase fiber length can decrease the ER.
3. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower, and extinction loss will be 2dB lower.

Mechanical Dimensions





Ordering Information

PB	☐	☐☐	☐	☐	☐	☐	☐☐
	Configuration	**Center Wavelength**	**Grade**	**PM Fiber Option**	**Pigtail Style**	**Fiber Length**	**In/Out Connector**
	S = Splitter C = Combiner	98 = 980nm	P = P Grade A = A Grade	1 = Port1, Port2 Panda PM Port3 Hi 1060 2 = All Panda PM Fiber	1 = Bare Fiber 2 = 900um Jacket	1 = 0.75m S = Special	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC