



Isolator Polarization Beam Combiner/Splitter Hybrid



Features

- Low Insertion Loss
- High Isolation
- 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	Single Stage	Dual Stage
Center Wavelength (nm)	1310, 1480 or 1550	
Operating Wavelength Range(nm)	±20	
Typical Insertion Loss(dB)	0.45	0.55
Max. Insertion Loss(dB)	0.7	0.8
Typical Isolation(dB)	40	51
Min. Isolation (dB)	30	42
Min. Extinction Ratio(for splitter only) (dB)	20	18
Direction of Incident Polarization	Slow Axis	
Min. Return Loss (dB)	50	
Max. Optical Power (mW)	500	
Fiber Type	PM on port1 and 2, SMF-28 or PM on port3	
Max. Tensile Load (N)	5	
Operating Temperature (°C)	-5 ~ +70	
Storage Temperature (°C)	-40 ~ +85	
Dimensions (mm)	Φ5.5 x L35	

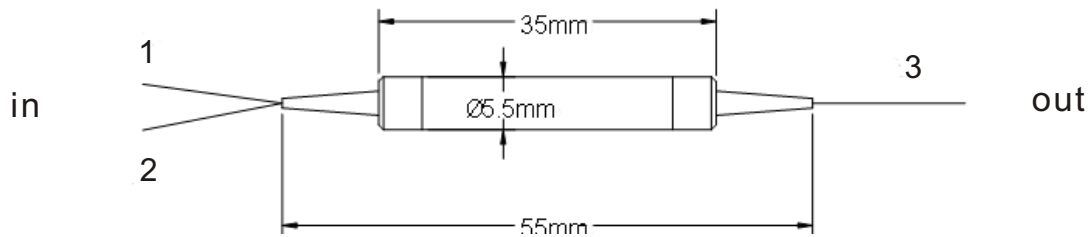
1. The PM fiber and the connector key are aligned to the slow axis.
2. The ER is for fiber \leq 0.75 meter. Increase fiber length can decrease the ER.
3. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower, and extinction loss will be 2dB lower.

Ordering Information

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	Configuration	Isolator Type	Wavelength	Grade	PM Fiber Option	Pigtail Style	Fiber Length	In/Out Connector
	S=Splitter C=Combiner	I=Single Stage U=Dual Stage	13=1310nm 14=1480nm 15=1550nm	P=P Grade	1=Port1, Port2 Panda PM Port3 SMF-28 2=All Panda PM	1= Bare fiber 2=900um Jacket	1=0.75m S=Specify	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

Dimensions

IPBC



IPBS

