
Polarization Beam Splitter/Combiner

Features

- Compact High Performance
- High Extinction Ratio
- Low Insertion Loss
- High Directivity

Applications

- Polarization Mode Dispersion Compensator
- EDFA & Raman Amplifier
- Coherent Telecommunication Systems
- Fiber Optic Sensor

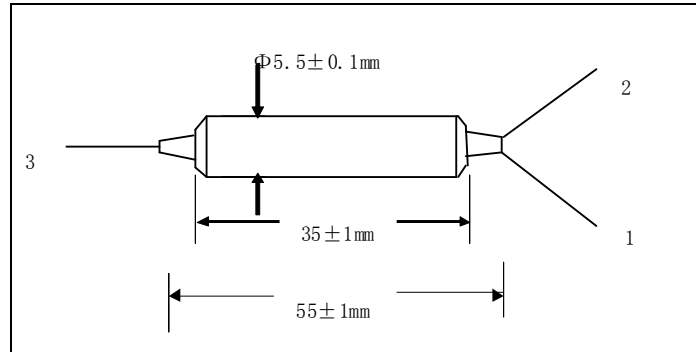
Specifications

Parameters	Unit	Grade P	Grade A
Center Wavelength (λ_c)	nm	1310, 1480 or 1550nm	
Operating Wavelength Range	nm	± 40	
Typ. Insertion Loss	dB	0.35	0.45
Max. Insertion Loss	dB	0.6	0.7
Min. Return Loss	dB	50	
Min. Extinction Ratio(for splitter only)	dB	22	20
Min. Directivity	dB	50	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM Panda Fiber on Port 1 & 2	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

* Above specifications are for device without connector.

* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

* The PM fiber and the connector key are aligned to the slow axis.

Package Dimensions**Ordering Information**

PBC-①①-②-③-④④④-⑤⑤⑤-⑥-⑦

PBS-①①-②-③-④④④-⑤⑤⑤-⑥-⑦

①①: Wavelength	③: Port	⑤: Fiber Jacket on Port 1/2/3	⑥: Fiber Type on Port 3
31 - 1310nm	1 - 1*2	B - 250 μm Panda fiber	1 - SMF-28e Fiber
48 - 1480nm		D - 400um Bare Fiber (only for 2 - PM Panda Fiber, Slow	Axis align 45° to Port 1
55 - 1550nm	④: Connector Type on Port 1/2/3	PM Fiber)	3 - PM Panda Fiber, Slow
SS - Specify	1 - FC/UPC	L - 900 μm loose tube	Axis align to Port 1
	2 - FC/APC	S - Specify	S - Specify
②: Grade	3 - SC/UPC		
P - Premium	4 - SC/APC		
A - A grade	N - None		⑦: Fiber Length
	S - Specify		0.8 - 0.8m
			S - Specify