

1x2 Polarization Beam Combiner /Splitter(PBS/PBC)

Features

- Low Insertion Loss
- High Extinction Ratio
- High Stability and Reliability

Applications

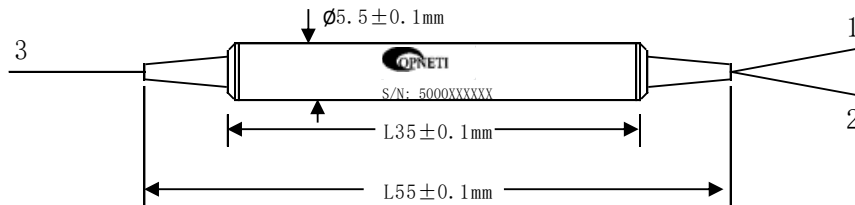
- EDFA & Raman Amplifier
- Fiber Sensor
- Coherent Telecommunication Systems
- Polarization Mode Dispersion Compensator

Specifications

Parameters	Unit	Grade P	Grade A	Grade P	Grade A
Operating Wavelength	nm	1310, 1450, 1480, 1550		980, 1064	
Operating Bandwidth	nm	±40		±20	
Typ. Insertion Loss	dB	0.40	0.50	0.60	0.70
Insertion Loss (dB)	dB	≤0.60	≤0.70	≤0.80	≤0.90
Extinction Ratio (only for PBS)	dB	≥22	≥20	≥22	≥20
Directivity	dB	≥50			
Return Loss	dB	≥50			
Power Handling	mW	≤300			
Fiber Type	Port 1&2	Panda Fiber			
	Port 3	SMF-28 or HI1060 or PM Panda Fiber			
Fiber Length	m	0.8			
Operating Temperature	°C	-5~+70			
Storage Temperature	°C	-40 ~ +80			
Dimensions	mm	φ5.5×L35			

*For devices with connectors, IL+0.3dB, RL-5dB, ER-2dB.

Package Dimensions



Ordering Information

PBS- ①①①-②-③③③-④④④-⑤-⑥⑥⑥-⑦⑦
PBC- ①①①-②-③③③-④④④-⑤-⑥⑥⑥-⑦⑦

①	Port	1x2;
②	Grade	P=Grade P; A=Grade A;
③	Wavelength	980; 1064; 1310; 1450; 1480; 1550;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type @ Port3	1=SMF-28e; 2=HI1060; 3=PM Fiber, Slow Axis Align to Port1; 4=PM Fiber, Slow Axis Align 45° to Port1
⑥	Length	0.8=0.8m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;