

1x2 Isolator Polarization Beam Combiner /Splitter(IPBC/IPBS) -1550, 1310, 1480nm

Features

Low Insertion Loss
High Extinction Ratio
High Stability and Reliability

Applications

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



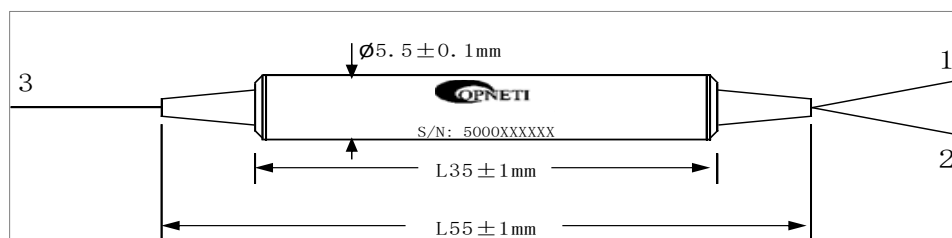
Specifications

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1310, 1480 or 1550	
Operating Bandwidth	nm	±20	
Typ. Insertion Loss	dB	0.45	0.55
Insertion Loss	dB	≤0.7	≤0.8
Typ. Isolation	dB	38	51
Isolation	dB	≥20	≥42
Extinction Ratio (only for IPBS)	dB	≥20	
Directivity	dB	≥50	
Return Loss	dB	≥50	
Power Handling	mW	≤500	
Fiber Type	Port 1&2	PM1550, PM1300	
	Port 3	SMF-28e or PM Panda Fiber	
Operating Temperature	°C	-10 ~ +70	
Storage Temperature	°C	-40 ~ +80	
Dimensions	mm	φ5.5×L35	

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

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

Package Dimensions



Ordering Information

IPBS- ①①①①-②-③③③③-④④④④-⑤-⑥-⑦⑦
IPBC-

①	Port	1x2;
②	Stage	S=Single Stage; D=Dual Stage;
③	Wavelength	1310; 1480; 1550;
④	Pigtail Type	250=250μm bare fiber; 900=900μm loose tube;
⑤	Fiber Type @ Port 3	1=SMF-28e; 3=PM Fiber, Slow Axis Align to Port 1; 4=PM Fiber, Slow Axis Align 45°to Port 1;
⑥	Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;