

1550nm PM Circulator PBS Hybrid

Features

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

Applications

- EDFA Fiber Optical
- Instrument Fiber Sensor
- Quantum Computer System

Specifications

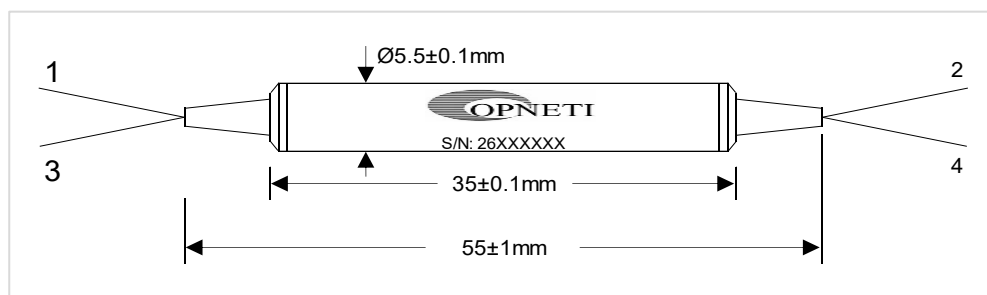
Parameters	Unit	fast axis block, slow axis working	both axis working
Operating Wavelength	nm	1550	
Bandwidth	nm	±30	
Insertion Loss (Port 1 → Port 2/4, Port 2/4 → Port 3) (IL) ^[1]	dB	≤4.7, Typ. 4.2	≤1.7, Typ. 1.5
Isolation at 23°C (Port 2/4 → Port 1, Port 3 → Port 2/4)	dB	≥20, Typ. 30	≥40, Typ. 46
Axis Alignment		P1 slow axis → P2 slow axis P1 slow axis → P4 slow axis P2 slow axis → P3 slow axis P4 slow axis → P3 slow axis	P1 slow axis → P2 slow axis P1 fast axis → P4 slow axis P2 slow axis → P3 slow axis P4 fast axis → P3 fast axis
Wavelength Dependent Loss	dB	≤0.3, Typ. 0.2	
Uniformity between Port 2 and Port 4	dB	≤0.4, Typ. 0.25	
Extinction Ratio (PER)	dB	≥22	≥20
Return Loss (RL)	dB	≥50	
Cross Talk (Port3 ↔ Port1)	dB	≥50	
Handling Power	mW	≤500	
Fiber Type		PM1550 Panda Fiber	
Fiber Length	m	1	
Operating Temperature	°C	-0 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Dimensions	mm	φ5.5×35	φ5.5×50

^[1] test with linear polarized light source.

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

*Default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PM CIR+PBS- ①-②②②②-③③③③-④④④④-⑤-⑥⑥

①	Axis Alignment	F=Fast Axis Block; B=Both Axis Working;
②	Wavelength	1550;
③	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
④	Fiber Type	P15=PM1550 Panda Fiber;
⑤	Length	1=1m;
⑥	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;