4 Port Polarization Maintaining Optical Circulator, 1310nm

Features

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

Applications

- Test Instrument
- Bidirectional Rx / Tx
- Fiber Sensor
- OADM System

RoHS Reach

Specifications

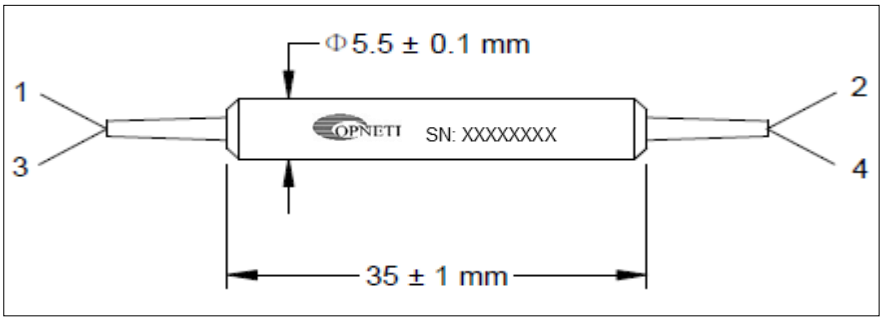
Parameters	Unit	Type A	Type B
Optical Path		1 → 2 → 3 → 4 → 1, 4 ↛ 1	1 → 2 → 3 → 4 → 1
Center Wavelength	nm	1310	
Bandwidth	nm	±30	±20
Typ. Isolation	dB	50	30
Isolation	dB	≥40	≥20
Typ. Insertion Loss	dB	0.9	0.8
Insertion Loss (IL)	dB	≤1.2	≤1.1
Extinction Ratio (ER)	dB	≥20	≥20
Axis Alignment [1]		Slow Axis Pass, Fast Axis Blocked	
Connector Key Alignment		Key Aligned to Slow Axis	
Cross Talk (1→3, 1→4, 2→4, 3→1)	dB	≥50	
Return Loss (RL)	dB	≥50	
Power Handling [2]	mW	≤300	
Fiber Type		PM1300	
Fiber Length	m	1	
Operating Temperature	℃	-5 ~ +70	
Storage Temperature	℃	-40 ~ +85	
Dimensions	mm	φ5.5×35	

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

[1] Slow axis block, fast axis pass available on request.

[2] 1~10W available on request.

Package Dimensions



Ordering Information

PMCIR ①-②-③③③③-④④④-⑤⑤⑤-⑥-⑦⑦

①	Port	4=4 Ports;
②	Type	A; B;
③	Wavelength	1310;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	P13=PM1300 Fiber;
⑥	Fiber Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;