

4 Port Polarization Maintaining Optical Circulator-1950/2000nm(1.95μm/2μm)

Features

Wide Operating Wavelength
High Isolation & High PER
Telcordia GR-1221 Compliant
Fast Axis Block

Applications

PM Fiber Amplifier
Fiber Laser
Surgical Equipment

Specifications



Parameters	Unit	Values	
Port Configuration ^[1]	nm	4 Port, P1 → P2 → P3, P3 → P4, P4 → P1	
Center Wavelength	nm	1950, 2000, 2050, 2100	
Fiber Type	-	PM1550	PM1950
Insertion Loss, 23°C, λc±30nm ^[2]	dB	≤1.5	≤1.7
Isolation, 23°C, λc±30nm	dB	≥20	
Extinction Ratio ^[2]	dB	≥20	
Working Axis ^[3]		Fast axis blocked, only Slow Axis Working	
Crosstalk	dB	≥40	
Return Loss ^[2]	dB	≥50	
Average Optical Power ^[4]	W	1, 2 or 5	
Peak Power for ns Pulse	KW	10	
Operating Temperature	°C	-5 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Package	mm	5.5x35	

^[1] P4 → P1 is available on request.

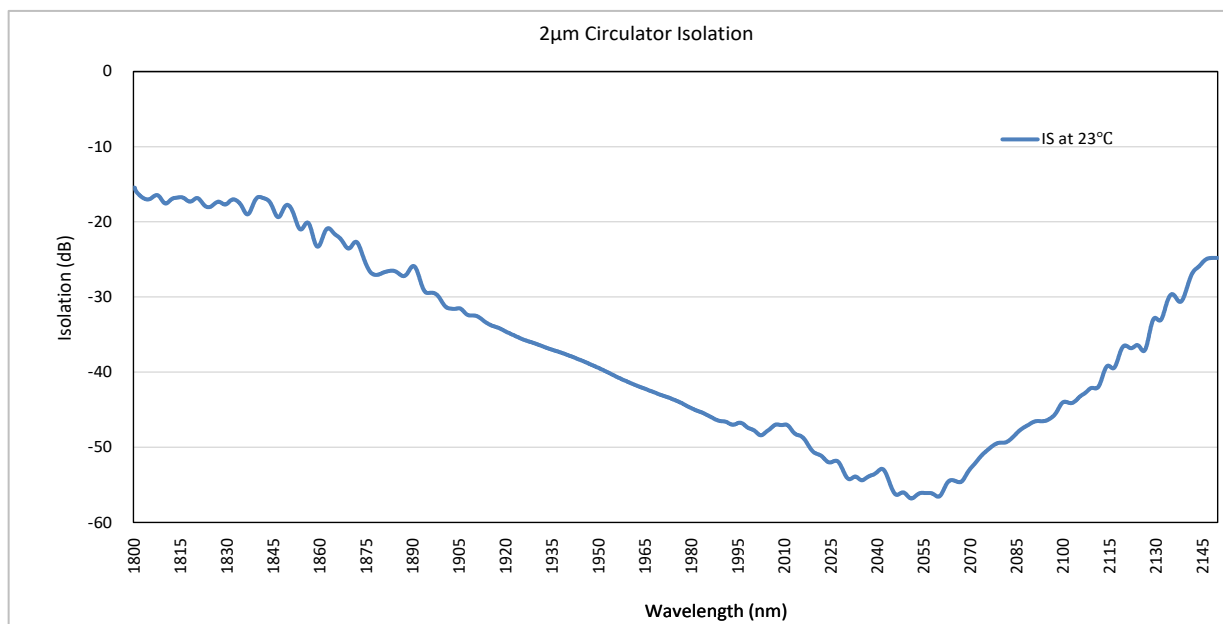
^[2] For devices with connectors, IL+0.3dB, RL-5dB, ER-2dB.

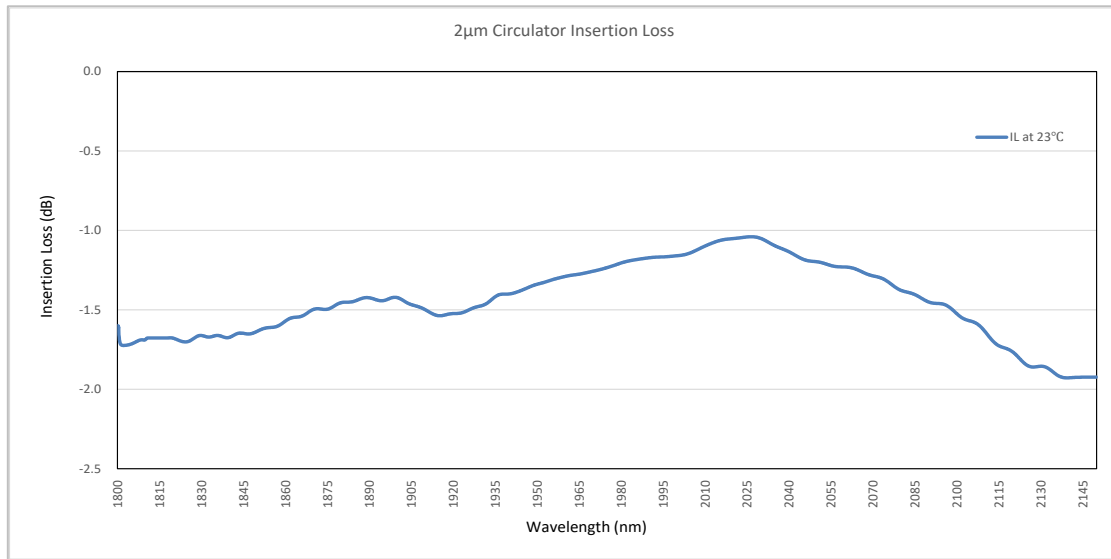
^[3] Both Axis Working available on request.

^[4] Optical Power (CW) is 1W only while connector added.

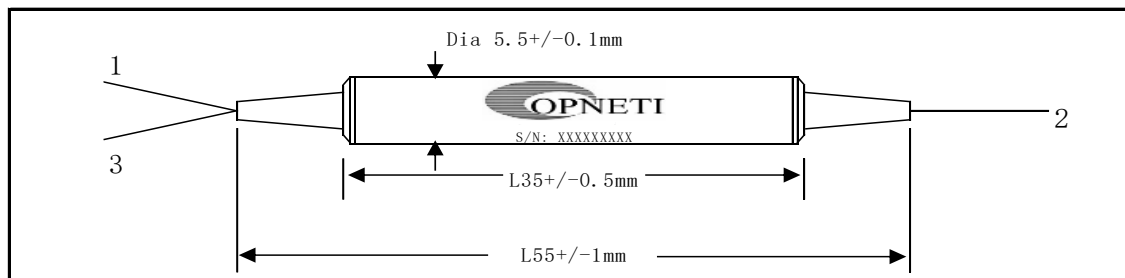
*The default connector key is aligned to slow axis.

Typical Optical Spectrum





Package Dimensions



Ordering Information

PM CIR- ①-②-③③③③-④④④-⑤⑤⑤⑤⑤⑤-⑥⑥⑥-⑦⑦-⑧⑧⑧⑧⑧⑧-⑨⑨

①	Port	4=4 Port;
②	Type	F=Fast Axis Blocked;
③	Wavelength	1950; 2000; 2050; 2100;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	P15=PM1550; P19=PM1950;
⑥	Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;
⑧	Package Size	5.5x35;
⑨	Power Handling	1W; 2W; 5W; P=Pulse;