1550nm RC80 PM Fiber Optical Circulator, (PMCIR)

| Rev B | 2026-11

Features

- Low Insertion Loss
- High Extinction Ratio
- High Isolation

Applications

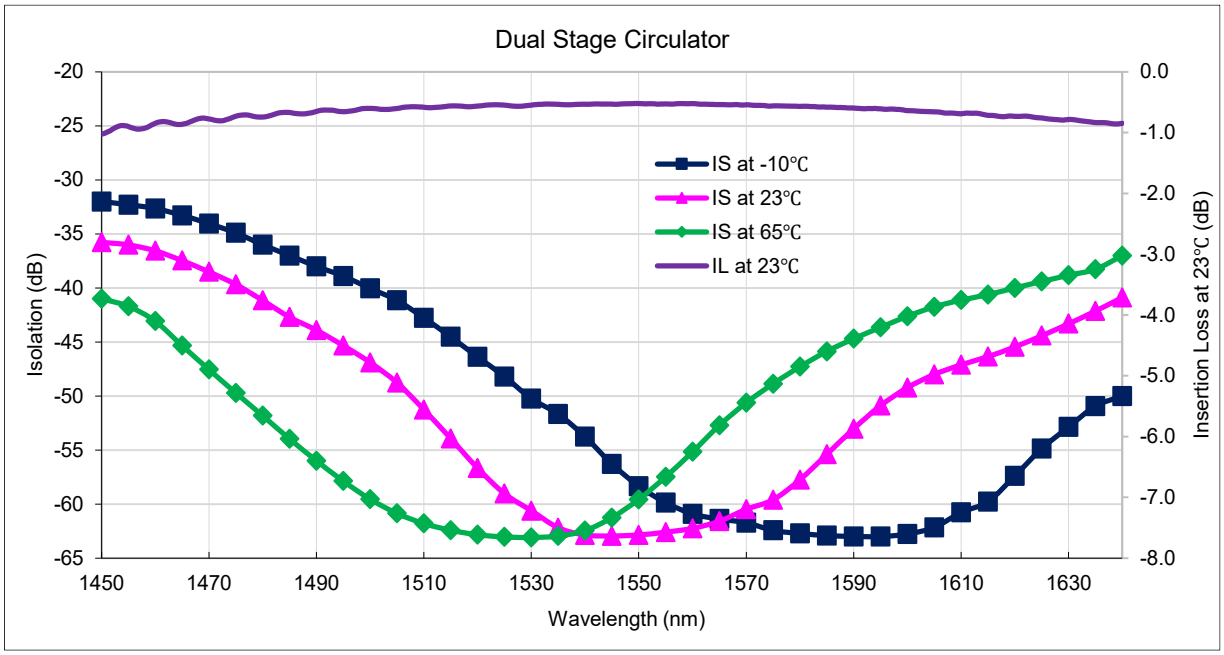
- Fiber Sensor
- Fiber Optical Instrument

RoHS Reach

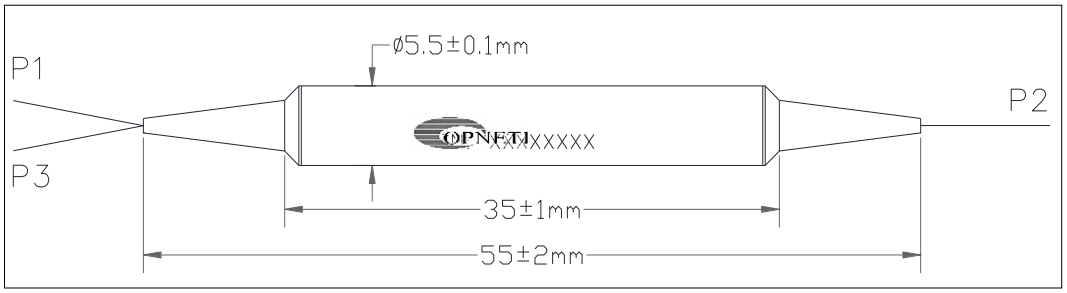
Specifications

Parameters	Unit	Type A (dual stage)	Type B (single stage)
Operating Wavelength	nm	1550	
Light Path		3 Port, P1 → P2 → P3, P3 ↛ P1	
Axis Alignment		slow axis pass, fast axis block	
Bandwidth	nm	±30	±20
Typ. Isolation	dB	46	20
Isolation	dB	≥40	≥30
Typ. Insertion Loss	dB	0.7	0.6
Insertion Loss	dB	≤0.9	≤0.8
Extinction Ratio	dB	≥22	≥20
Cross Talk	dB	≥50	
Return Loss	dB	≥50	
Power Handling	mW	≤500	
Fiber Type	-	RC PM1550 (RCSM15-PS-U17C)	
Fiber Length	m	1	
Operating Temperature	℃	-5 ~ +70	
Storage Temperature	℃	-40 ~ +85	
Dimensions	mm	φ5.5×35, φ4.0x27 (without steel tube/glass package)	

Typical Spectrum for 1550nm A Type



Package Dimensions



Ordering Information

PMCIR ①-②-③③③③-④④④-⑤⑤⑤⑤-⑥-⑦⑦⑦⑦⑦⑦

①	Port	3=3 Port;
②	Type	A; B;
③	Wavelength	1550;
④	Pigtail Type	165=165μm Bare Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	PR10=RC PM1550 (RCSM15-PS-U17C);
⑥	Length	1= 1m;
⑦	Package	5.5x35; 4.0x27 (without steel tube/glass package);