

### 4-port Polarization Maintaining Circulator at 2000 nm

Model #: FPMCIR

Description: 4-port Polarization Maintaining Circulator at 2000 nm

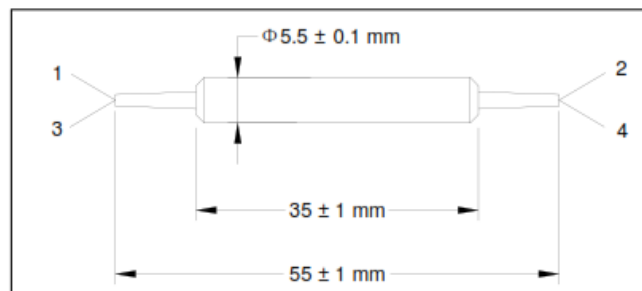
Application: Fiber amplifier, fiber laser, fiber sensor, WDM module and systems

Specifications:

Parameter	Unit	Specifications			
		Type A		Type B	
		1550 Fiber	1950 fiber	1550 fiber	1950 fiber
Operating Wavelength	nm	2000			
Wavelength Range	nm	± 30		± 20	
Typ. Insertion Loss, $\lambda_c$ , 23°C	dB	1.3	1.5	1.2	1.4
Max. Insertion Loss, all wavelength range, -5 to +70°C	dB	1.5	1.8	1.4	1.7
Peak Isolation	dB	52		40	
Typ. Isolation, $\lambda_c$ , 23°C	dB	50		30	
Min. Isolation, all wavelength range, 23°C	dB	40		20	
Min. Return Loss	dB	55			
Minimum Directivity (1 → 3, 2 → 4)	dB	50			
Max. Polarization Extinction Ratio	dB	18			
Max. Optical Power (CW)	mW	300			
Max. Tensile Load	N	5			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to + 85			
Dimension	mm	5.5 (D) x 35 (L)			
Fiber Type	1550 Fiber	PM 1550 nm Panda fiber for all ports			
	1950 Fiber	PM 1950 nm Panda fiber for all ports			

Note: Each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER.

The routing path: Type A: 1 -> 2, 2 -> 3, 3 -> 4; Type B: 1 -> 2, 2 -> 3, 3 -> 4, 4 -> 1



#### Ordering Information: FPMCIR-AAAA-B-C-D-E-F

AA: wavelength	B: type	C: connector type	D: fiber jacket	E: fiber length	F: fiber type
2000 – 2000 nm	1 – A type	1 – FC/UPC	B - 250µm Panda fiber	Q - 0.75	1 – 1550 nm PM fiber
XX - other	2 – B type	2 – FC/APC	L - 900 µm loss tube	X-other	2 – 1950 nm PM fiber
		3 – SC/UPC	X - other		
		4 – SC/APC			
		N – no connector			
		X - other			