

4-ports Polarization Maintaining Circulator(1310 or 1550)

Product Features

- Low Insertion Loss
- High Isolation
- high extinction ratio,

Product Application

- Fiber Sensors
- Bidirectional Pumping
- Add-Drop Multiplexing

Specifications

Parameter	Unit	Value	
Center Wavelength (λ_c)		1310	1550
Operating Wavelength Range	nm	± 30	± 20
Typ. Isolation, λ_c , 23 °C	dB	50	30
Min. Isolation, all wavelength range, 23 °C	dB	40	22
Typ. Insertion Loss, λ_c , 23 °C,	dB	0.8	0.7
Max. Insertion Loss, all temperature, all wavelength range	dB	1.1	1.0
Return Loss	dB	≥ 55	
Cross talk (1 → 3, 2 → 4)	dB	≥ 50	
Extinction Ratio	dB	≥ 20	
Power handling(CW)	mW	≤ 500	
Tensile Load	N	≤ 5	
Light path type	A	1 → 2, 2 → 3, 3 → 4;	
	B	1 → 2, 2 → 3, 3 → 4, 4 → 1	
Fiber Type		PM1550 Panda Fiber	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

Remark:

* Above specifications are for device without connector.

* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER for each connector added.

* The PM fiber and the connector key are aligned to the slow axis.(Default if customer no special request)

Ordering Information

PM CIR	Wavelength	Light path type	Pigtail Type	Fiber Length	Connector
2x2	1310nm 1550nm Specify	A type B type	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC Specify