



## 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 ( $\lambda_c$ )		1310	1550
Operating Wavelength Range	nm	$\pm 30$	$\pm 20$
Typ. Isolation, $\lambda_c$ , 23 °C	dB	50	30
Min. Isolation, all wavelength range, 23 °C	dB	40	22
Typ. Insertion Loss, $\lambda_c$ , 23 °C,	dB	0.8	0.7
Max. Insertion Loss, all temperature, all wavelength range	dB	1.1	1.0
Return Loss	dB	$\geq 55$	
Cross talk (1 $\rightarrow$ 3, 2 $\rightarrow$ 4)	dB	$\geq 50$	
Extinction Ratio	dB	$\geq 20$	
Power handling(CW)	mW	$\leq 500$	
Tensile Load	N	$\leq 5$	
Light path type	A	1 $\rightarrow$ 2, 2 $\rightarrow$ 3, 3 $\rightarrow$ 4;	
	B	1 $\rightarrow$ 2, 2 $\rightarrow$ 3, 3 $\rightarrow$ 4, 4 $\rightarrow$ 1	
Fiber Type		PM1310orPM1550	
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