

Polarization Maintaining Circulator (PM CIR 1310/1550 1x2)

Product Features

- Low Insertion Loss & PDL
- High Channel Isolation
- Optical Path Epoxy Free

Product Applications

- DWDM and OADM networks
- Test Instrumentations
- Fiber Sensors
- EDFA, DWDM and OTDR



Specifications

Parameter	Unit	Value	
		Single Stage	Dual Stage
Stage		Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	1310 or 1550	
Operating Wavelength Range	nm	± 20	± 30
Typ. Isolation	dB	30	46
Isolation at Tr*	dB	≥ 20	≥ 40
Typ. Insertion Loss at Tr*	dB	0.6	0.7
Insertion Loss at To*	dB	≤ 0.8	≤ 0.9
Return Loss (Input/Output)	dB	≥ 50	
Cross talk	dB	≥ 50	
Typ. Extinction Ratio	dB	24	25
Extinction Ratio	dB	≥ 20	≥ 22
Power handling(CW)	mW	≤ 500	
Tensile Load	N	≤ 5	
Fiber Type		PM 1310, 1550 Panda Fiber	
Operating Temperature	$^{\circ}\text{C}$	-5 to +70	
Storage Temperature	$^{\circ}\text{C}$	-40 to +85	

Remark:

* Tr=Room temperature, To=Operating temperature.

* 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

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

Ordering Information

PM CIR	Wavelength	Stage	Pigtail Type	Fiber Length	Connector
1x2	1310nm 1550nm Specify	Single Stage Dual Stage	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify