

Polarization Maintaining Optical Circulator (PM CIR Series)

Rev 11

The Polarization Maintaining Optical Circulator is a compact high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. The component provides high isolation, low insertion loss, high extinction ratio, and excellent environment stability.

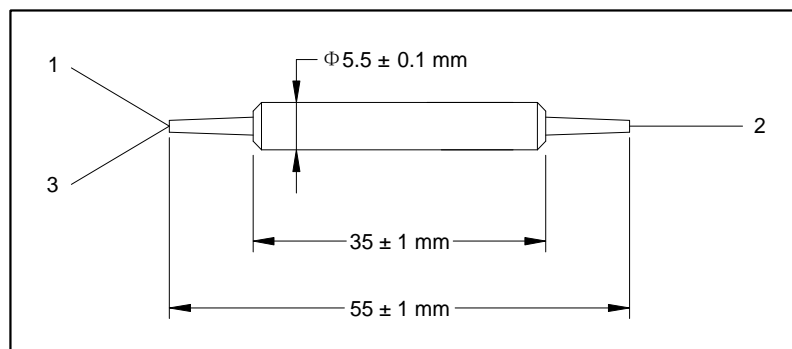
Specifications

Parameter	Unit	Type A	Type B
Center Wavelength (λ_c)	nm	1310 or 1550	
Operating Wavelength Range	nm	$\lambda_c \pm 30$	$\lambda_c \pm 20$
Typ. Insertion Loss, λ_c , 23 °C	dB	0.7	0.6
Max. Insertion Loss	dB	0.9	0.8
Peak Isolation	dB	52	40
Typ. Isolation, λ_c , 23 °C	dB	46	30
Min. Isolation, 23 °C	dB	40	20
Min. Extinction Ratio	dB	22	20
Min. Crosstalk	dB		50
Min. Return Loss	dB		50
Max. Optical Power (Continuous Wave)	mW		300
Max. Tensile Load	N		5
Operating Temperature	°C		-5 to +70
Storage Temperature	°C		-40 to +85

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*The optical path is aligned to slow axis and fast axis is blocked.

Package Dimensions



Ordering Information

PM CIR-①①-②-③-④-⑤

①①: Wavelength

31 - 1310 nm

55 - 1550 nm

SS - Specify

②: Type

1 - Type A

2 - Type B

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Jacket

B - 250 μ m bare fiber

L - 900 μ m loose tube

S - Specify

⑤: Fiber Length

Q - 0.75 m

S - Specify