

Polarization Maintaining Optical Circulator

(PM CIR Series)

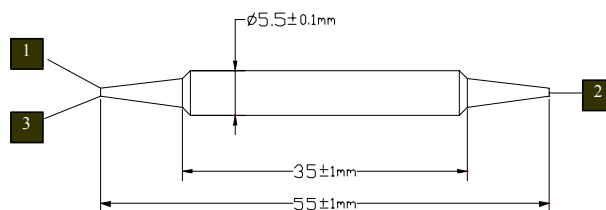
The Polarization Maintaining Optical Circulator is a compact high performance lightwave component that transmits the incoming signal from port 1 to port 2, while transmitting another incoming signal from port 2 to port 3. The component provides high isolation, low insertion loss, high extinction ratio, and excellent environment stability.

Specifications

Parameter	Unit	Type A	Type B
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	± 30	± 20
Typ. Insertion Loss at 23°C; λ_c , all polarization states	dB	0.7	0.6
Max. Insertion Loss at -5°C - 70°C; all Wavelength Range, all polarization states	dB	0.9	0.8
Peak Isolation	dB	52	40
Typ. Isolation at 23°C; λ_c	dB	46	30
Min. Isolation at 23°C; all Wavelength Range, all polarization states	dB	40	25
Min. Extinction Ratio	dB	22	20
Min. Cross Talk	dB	50	
Min. Return Loss	dB	55	
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to + 70	
Storage Temperature	°C	-40 to +85	

1. Above specifications are for device without connector. PM fiber & connector key are aligned to the slow axis.
2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

Dimension



Ordering Information

PM CIR-①①-②-③-④-⑤

①①: Wavelength

31 - 1310nm

55 - 1550nm

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 Type

B - 250um Panda fiber

D - 400um Panda fiber

L - 900um loose tube

S - Specify

⑤: Fiber Length

Q - 0.75m

S - Specify

Remark: The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked

Contact Information

For more information about BATi's leadership in variable optical attenuation technology and other optical networking modules and components, visit our website at www.bostonati.com.

To obtain additional technical information or to place an order for this product, please contact us at:

Phone: 1-781-935-2800

Fax: 1-781-935-2860

E-mail: sales@bostonati.com