2x2 Polarization Maintaining Optical Circulator

(DPMCIR Series)

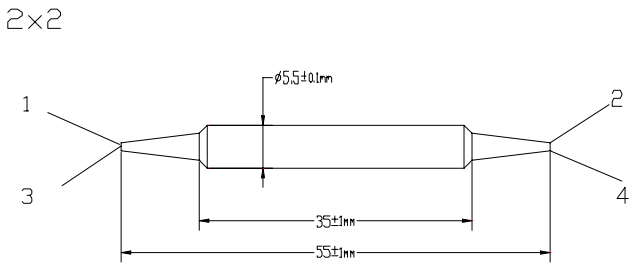
The 2x2 Polarization Maintaining Optical Circulator is a compact high performance lightwave component that transmits the incoming signal from port 1 to port 2, from port 2 to port 3 , and from port 3 to port 4. The component provides high isolation, low insertion loss, high extinction ratio, and excellent 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℃; λc, all polarization states	dB	0.8	0.7
Max. Insertion Loss at -5℃ - 70℃; all Wavelength Range, all polarization states	dB	1.1	1.0
Peak Isolation	dB	52	40
Typ. Isolation at 23℃;λc	dB	46	30
Min. Isolation at 23℃; all Wavelength Range, all polarization states	dB	40	25
Min. Extinction Ratio	dB	20	20
Min. Cross Talk(1 -> 3, 2 -> 4)	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.
2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.
3. The transmission optical path of A type is different from B type:
   A type: 1 -> 2, 2 -> 3, 3 -> 4;
   B type: 1 -> 2, 2 -> 3, 3 -> 4, 4 -> 1.

Dimension



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Ordering Information

DPMCIR-①①-②-③-④-⑤

①①: Wavelength	③: Connector Type	④: Fiber Type	⑤: Fiber Length
31 - 1310nm	1 - FC/UPC	B- 250um Panda fiber	Q - 0.75m
55 - 1550nm	2 - FC/APC	D- 400um Panda fiber	S - Specify
SS - Specify	3 - SC/UPC	L- 900um loose tube	
	4 - SC/APC	S - Specify	
②: Type	N - None		
1 - Type A	S - Specify		
2 - Type B			

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:

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