



1064 nm Polarization Maintaining Optical Circulator (PMCIR Series)

Rev 11B

Description

The 1064 nm 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 PM Optical Circulator provides high isolation, low insertion loss, high extinction ratio, and excellent environmental stability.

Key Features

- High Isolation
- Low Insertion Loss
- High Extinction Ratio

Applications

- EDFA & Raman Amplifier
- Fiber Sensors
- Instrumentation

Specifications

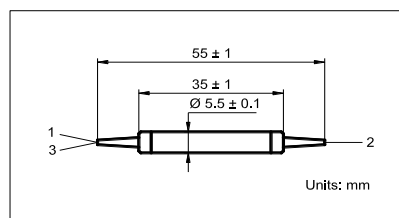
Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	1064	
Type	-	Type A	Type B
Typ. Insertion Loss, λ_c	dB	3.4	1.8
Max. Insertion Loss, λ_c	dB	4.0	2.1
Typ. Isolation, λ_c , 23 °C	dB	52	30
³ Min. Isolation, λ_c , 23 °C @ Power $\leq$ 30 mW	dB	45	25
Min. Extinction Ratio, 23 °C	dB	20	
Min. Crosstalk	dB	50	
Min. Return Loss	dB	50	
Max. Optical Power (Continuous Wave)	mW	300	
Fiber Type	-	PM 980 Panda Fiber	
Max. Tensile Load	N	5	
Operating Temperature	°C	- 5 to + 50	
Storage Temperature	°C	- 40 to + 85	

¹IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

²The optical path is aligned to slow axis and fast axis is blocked.

³The isolation is related to the input power. Please inform us when you need high isolation and operate above 30 mW.

Package Dimensions



Ordering Information

PMCIR-①①-②-③-④-⑤

①①: Wavelength	②: Type	③: Connector Type	④: Fiber Jacket	⑤: Fiber Length
06 - 1064 nm	1 - Type A	1 - FC/UPC	4 - SC/APC	B - 250 μ m Bare Fiber
SS - Specify	2 - Type B	2 - FC/APC	N - None	Q - 0.75 m
		3 - SC/UPC	S - Specify	L - 900 μ m Loose Tube
				S - Specify