



1550 nm Polarization Maintaining Optical Circulator (PM CIR Series)

Rev 11

Description

The 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. This 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

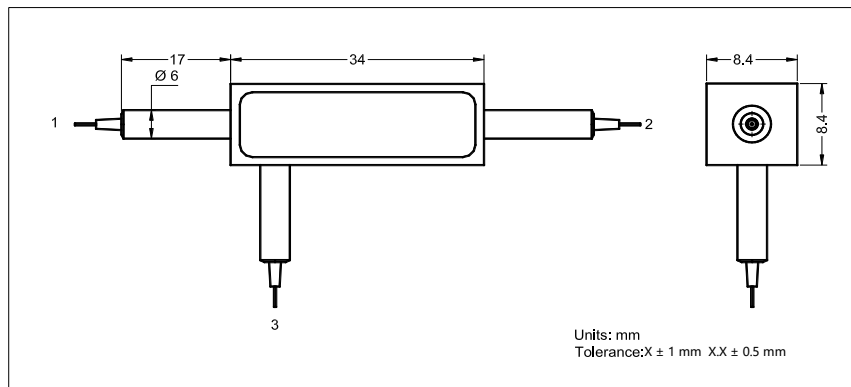
- Raman Amplifier
- Fiber Optic Instruments
- Fiber Sensing

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1550
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Min. Extinction Ratio, 23 °C	dB	20
Max. Insertion Loss	dB	1
Min. Isolation	dB	20
Min. Crosstalk	dB	45
Min. Return Loss	dB	50
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Operating Temperature	°C	0 to + 40
Storage Temperature	°C	- 40 to + 85
Fiber Type	-	PM 1550 Panda Fiber
Package Dimensions	mm	(L)34 × (W)8.4 × (H)8.4

¹IL is 0.3 dB higher, RL is 5 dB lower and PER is 2 dB lower for each connector added. Key aligned to slow axis.

Package Dimensions



Ordering Information

PM CIR-①①-②-③-④-⑤

①①: Wavelength	②: Connector Type	③: Fiber Type	④: Fiber Length	⑤: Polarization Status	
55 - 1550 nm	1 - FC/UPC	4 - SC/APC	B - 250 μ m Bare Fiber	Q - 0.75 m	B - Both Axes Working
SS - Specify	2 - FC/APC	N - None	L - 900 μ m Loose Tube	S - Specify	
	3 - SC/UPC	S - Specify			