



Polarization Maintaining Optical Circulator With Tap (PMCI RT Series)

Rev 11C

Description

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

Key Features

- High Isolation
- Low Insertion Loss
- Compact Size

Applications

- Fiber Sensing
- Fiber Optic Instruments

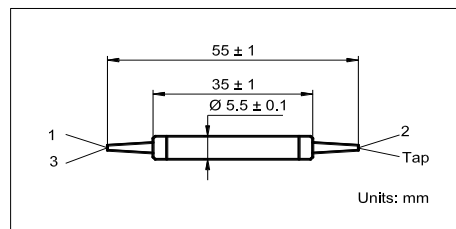
Specifications

Parameter	Unit	Type A
Center Wavelength (λ_c)	nm	1310 or 1550
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Max. Insertion Loss, P1 to P2, P2 to P3	dB	1.0
Insertion Loss, P1 to Tap	dB	27 - 30
Min. Isolation, P2 to P1, P3 to P2, 23 °C	dB	40
Min. Extinction Ratio, 23 °C	dB	20
Min. Crosstalk P1 to P3	dB	50
Min. Return Loss	dB	50
Max. Optical Average Power	mW	300
Max. Peak Power for ps Pluse	kW	10
Max. Tensile Load	N	5
Fiber Type		PM Panda Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL 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.

²Optical Power is 1W only for each connector added. The optical path is aligned to slow axis and fast axis is blocked.

Package Dimensions



Ordering Information

PMCI RT-①①-②-③-④-⑤-⑥⑥⑥-⑦-C

PMCI RT-①①-②-③-④-⑤-⑥⑥⑥-⑦-P

①①: Wavelength

②: Type

③: Connector Type

④: Fiber Jacket

31 - 1310 nm

1 - Type A

1 - FC/UPC

4 - SC/APC

B - 250 μ m Bare Fiber

55 - 1550 nm

2 - FC/APC

N - None

L - 900 μ m Loose Tube

SS - Specify

3 - SC/UPC

S - Specify

S - Specify

⑤: Fiber Length

Q - 0.75 m

S - Specify

⑥⑥⑥: Tap Ratio For Port 1

001 - 0.1%

SSS - Specify

⑦: Power Type

P - Pulse Application

C - Continuous Wave