



Polarization Maintaining Circulator (PMCI RT Series)

Rev 11C

Description

The Polarization Maintaining 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 component provides high isolation, low insertion loss, high extinction ratio, and excellent environment stability.

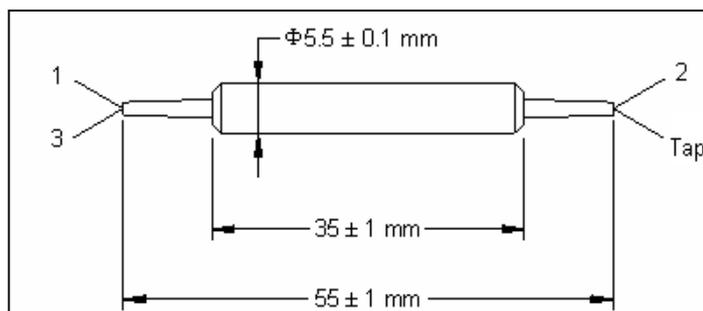
Specifications

| Parameter | Unit | Type A |
|---|------|--------------------|
| Center Wavelength (λ_c) | nm | 1310, 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, 23 °C, P2 to P1, P3 to P2 | dB | 40 |
| Min. Extinction Ratio | 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 |
| 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

⑥⑥⑥: Tap Ratio for Port 1

⑦: Power Type

Q - 0.75 m

001 - 0.1%

P - Pulse Application

S - Specify

SSS - Specify

C - Continuous Wave