

1060, 1310, 1550nm 2x2 Polarization Maintaining Optical Circulator

Features

High Isolation
 High Extinction Ratio
 Low Insertion Loss
 Excellent Environment Stability

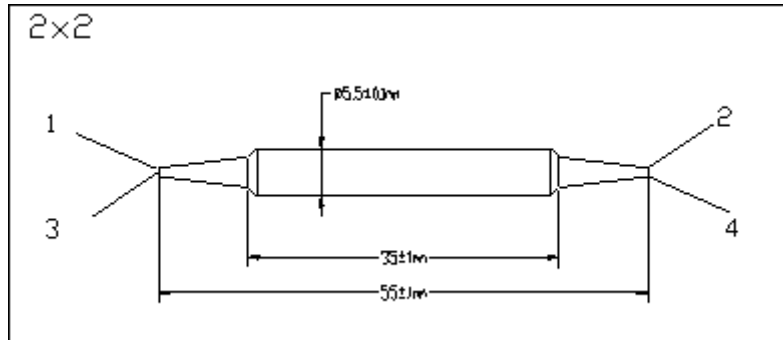
Applications

Polarization Mode Dispersion Compensator
 EDFA & Raman Amplifier
 Coherent Telecommunication Systems
 Fiber Optic Sensor

Specifications

| Parameters | Unit | Type A | Type B |
|---|------|--------------------|--------------------|
| Center Wavelength (λ_c) | nm | 1310 or 1550 | |
| Operating Wavelength Range | nm | $\lambda_c \pm 30$ | $\lambda_c \pm 20$ |
| Min. Isolation, 23°C | dB | 40 | 20 |
| Typ. Isolation, λ_c , 23°C | dB | 50 | 30 |
| Typ. Peak Isolation | dB | 55 | 40 |
| Typ. Insertion Loss, λ_c , 23°C | dB | 0.8 | 0.7 |
| Max. Insertion Loss | dB | 1.1 | 1.0 |
| Min. Extinction Ratio | dB | 20 | 20 |
| Min. Return Loss | dB | 55 | |
| Min. Crosstalk(Port1 to Port3, Port2 to Port4) | dB | 50 | |
| Max. Optical Power (CW) | mW | 500 | |
| Max. Tensile Load | N | 5 | |
| Fiber Type | | PM Panda Fiber | |
| Operating Temperature | °C | -5 to +70 | |
| Storage Temperature | °C | -40 to +85 | |
| * The specifications above are for device without connector. * IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. * 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. * The PM fiber and the key are aligned to the slow axis and fast axis is blocked. | | | |

Package Dimensions



Ordering Information

PM CIR-①①-②-③-④④④④-⑤⑤⑤⑤-⑥

| | | | | | |
|----------------|------------|---------|---|--|-----------------|
| ①①: Wavelength | ②: Type | ③: Port | ④④④④: Connector Type on Port 1,2,3&4 | ⑤⑤⑤⑤: Fiber Jacket on Port 1,2,3& 4 | ⑥: Fiber Length |
| 31 - 1310nm | 1 - Type A | 2 - 2x2 | 1 - FC/UPC | B - 250 μm Panda fiber | 3 - 1 m |
| 55 - 1550nm | 2 - Type B | | 2 - FC/APC | D - 400um Bare Fiber | S - Specify |
| SS - Specify | | | 3 - SC/UPC | L - 900 μm loose tube | |
| | | | 4 - SC/APC | S - Specify | |
| | | | N - None | | |