

4-port Polarization Maintaining Optical Circulator (DPMCIR Series)

The 4-port Polarization Maintaining Optical Circulator is a compact, high performance lightwave component that routes incoming signals from Port 1 to Port 2, incoming Port 2 signals to Port 3, and incoming Port 3 signals to Port 4. This component provides high isolation, low insertion loss, high extinction ratio, and excellent environment stability.

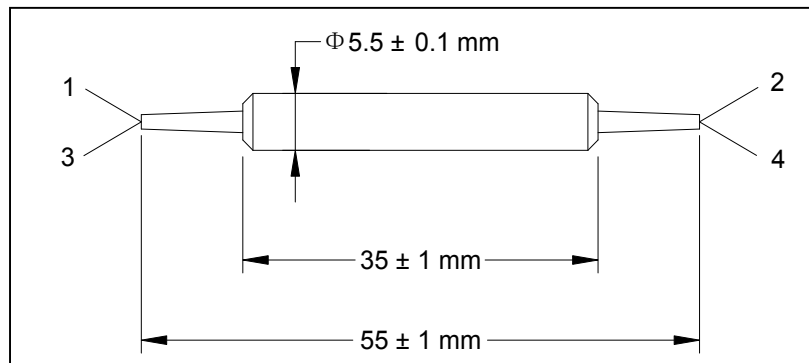
Specifications

| Parameter | Unit | Type A | Type B |
|--|------|------------|--------|
| Center Wavelength (λ_c) | nm | 1064 | |
| Typ. Insertion Loss, λ_c , 23 °C, | dB | 3.8 | 2.4 |
| Max. Insertion Loss, λ_c , all temperature | dB | 4.2 | 2.8 |
| Typ. Isolation, λ_c , 23 °C | dB | 52 | 30 |
| Min. Isolation, λ_c , 23 °C | dB | 45 | 20 |
| Min. Extinction Ratio | dB | 20 | 20 |
| Min. Diectivity (1 -> 3, 2 -> 4) | dB | 50 | |
| Min. Return Loss | dB | 50 | |
| Max. Optical Power (Continuous Wave) | mW | 300 | |
| Max. Tensile Load | N | 5 | |
| Operating Temperature | °C | -5 to +50 | |
| Storage Temperature | °C | -40 to +85 | |

*IL 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.

*The routing path: Type A: 1 -> 2, 2 -> 3, 3 -> 4; Type B: 1 -> 2, 2 -> 3, 3 -> 4, 4 -> 1

Package Dimensions



Ordering Information

DPMCIR-①①②③④⑤

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