4-Port Polarization Maintaining Circulator (GK-DPMCIR Series)

Description

The 2 ×2 Polarization Maintaining 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

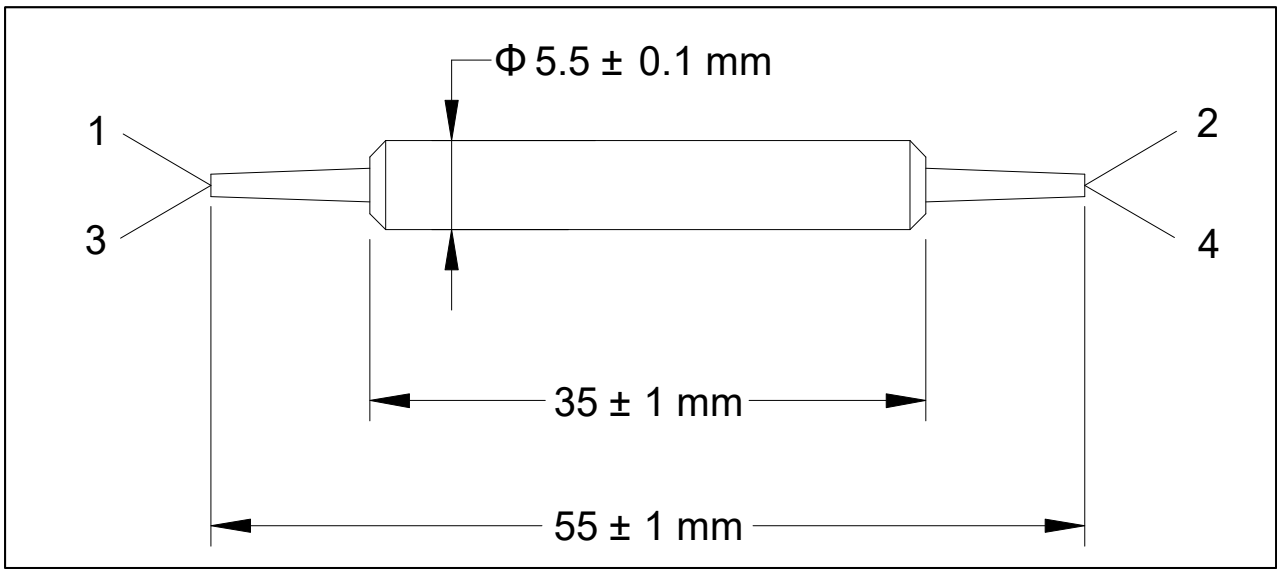
Parameter	Unit	Type A Type B
Center Wavelength (λc)	nm	1310, 1550
Operating Wavelength Range	dB	λc ± 30 λc ± 20
Typ. Insertion Loss, λc , 23 ℃	dB	0.8 0.7
Max. Insertion Loss, all temperature, all wavelength range	dB	1.1 1.0
Peak Isolation	dB	52 40
Typ. Isolation, λc, 23 ℃	dB	50 30
Min. Isolation, all wavelength range, 23 ℃	dB	40 22
Min. Extinction Ratio	dB	20 20
Min. Crosstalk (1 → 3, 2 → 4)	dB	50
Min. Return Loss	mW	55
Max. Optical Power (Continuous Wave)	kW	300
Max. Tensile Load	N	5
Operating Temperature	℃	- 5 to + 70
Storage Temperature	℃	- 40 to + 85

[1]IL 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.

[2]The routing path: Type A: 1 → 2, 2 → 3, 3 → 4; Type B: 1 → 2, 2 → 3, 3 → 4, 4 → 1.

[3]The optical path is aligned to slow axis and fast axis is blocked.

Package Dimensions



Ordering Information

GK-DPMCIR-①-②-③-④-⑤

①: Wavelength

31 - 1310 nm

55 - 1550 nm

SS - Specify

②: Type

1 - Type A

2 - Type B

③: Connector Type

1 - FC/UPC 4 - SC/APC

2 - FC/APC N - None

3 - SC/UPC S - Specify

④: Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

S - Specify

⑤: Fiber Length

Q - 0.75 m

S - Specify