



Polarization Insensitive Mini Fiber Circulator (GK-FCIR Series)

● Description

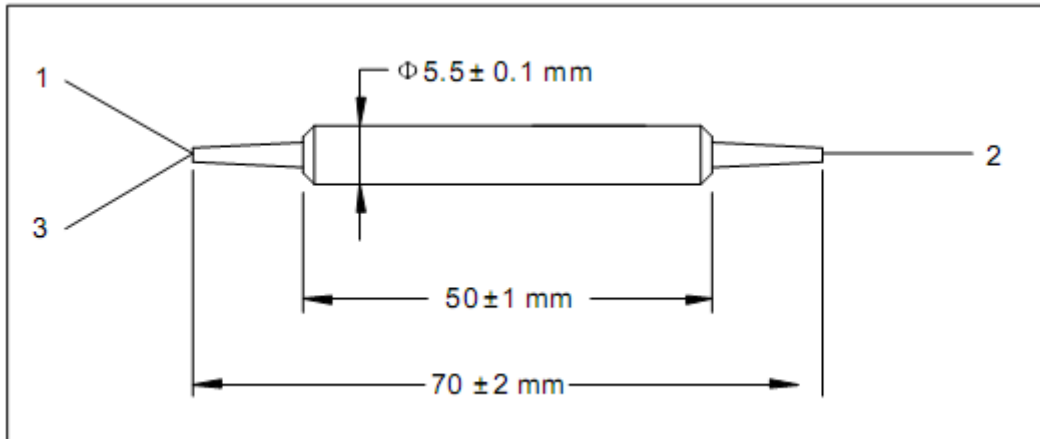
The Mini Fiber Circulator is a compact, high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. The component provides high isolation, low insertion loss, low PDL, low PMD and excellent environmental stability. It is widely used in combination with fiber gratings and other reflective components in DWDM systems, high speed systems and bi-direction communication systems.

● Specifications

| Parameter | Unit | Value |
|---|------|--------------------|
| Center Wavelength (λ_c) | nm | 1310, 1550 |
| Operating Wavelength Range | nm | $\lambda_c \pm 20$ |
| Typ. Insertion Loss | dB | 0.7 |
| Max. Insertion Loss | dB | 0.8 |
| Min. Isolation, 23 °C | dB | 45 |
| Min. Crosstalk | dB | 50 |
| Min. Return Loss | dB | 55 |
| Max. Polarization Dependent Loss, 23 °C | dB | 0.1 |
| Max. Polarization Mode Dispersion | ps | 0.1 |
| Max. Optical Power (Continuous Wave) | mW | 300 |
| Max. Tensile Load | N | 5 |
| Fiber Type | - | SMF-28 Fiber |
| Operating Temperature | °C | - 5 to + 70 |
| Storage Temperature | °C | - 40 to + 85 |
| Package Dimensions | mm | 5.5 × 50 |

¹IL is 0.3 dB higher and RL is 5 dB lower for each connector added.

● Package Dimensions



● Ordering Information

GK-FCIR-①-②-③-④-⑤

①: Wavelength

31 - 1310 nm
55 - 1550 nm
SS - Specify

②: Connector Type

1 - FC/UPC 4 - SC/APC
2 - FC/APC N - None
3 - SC/UPC S - Specify

③: Fiber Jacket

B - 250 μ m Bare Fiber
L - 900 μ m Loose Tube
S - Specify

④: Fiber Length

1 - 1.0 m
S - Specify

⑤: Package Length

1 - 50 mm
S - Specify