



2 μ m Polarization Insensitive Circulator (FCIR Series)

Rev 11C

Description

The 2 μ m Polarization Insensitive Circulator is a high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3.

Key Features

- High Power Handling
- Low Insertion Loss

Applications

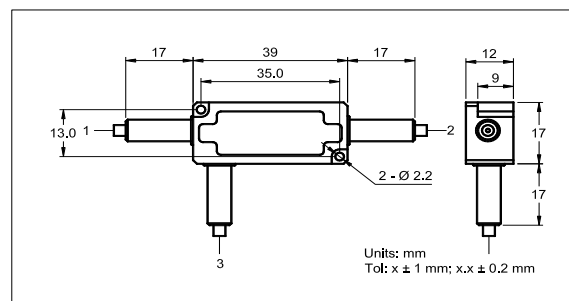
- Equipment
- Fiber Optic Instruments

Specifications

Parameter	Unit	Value
Operating Wavelength	nm	1950 or 2000
Max. Insertion Loss, $\lambda_c \pm 30$ nm, 23 °C	dB	1.5
Min. Isolation, $\lambda_c \pm 30$ nm, 23 °C	dB	16
Min. Crosstalk	dB	40
Min. Return Loss	dB	50
Max. Polarization Dependent Loss	dB	0.2
Max. Average Optical Power	W	0.3, 0.5, 1, 2 or 5
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Fiber Type	-	Specified by ordering info.
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85
Package Dimensions	mm	12 × 17 × 39

¹IL is 0.3 dB higher and RL is 5 dB lower for each connector added. The Optical Power is 1 W only for connector added.

Package Dimensions



Ordering Information

FCIR-①①①①-②-③-④-⑤-⑥-⑦

①①①①: Wavelength	②: Handling Power	③: Connector Type	④: Fiber Jacket
1950 - 1950 nm	03 - 0.3 W 05 - 0.5 W	1 - FC/UPC 3 - SC/UPC	B - 250 μ m Bare Fiber
2000 - 2000 nm	1 - 1 W 5 - 5 W	2 - FC/APC 4 - SC/APC	L - 900 μ m Loose Tube
SSSS - Specify	2 - 2 W S - Specify	N - None S - Specify	S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Fiber Type

1 - SMF-28 Fiber

2 - Nufern SM1950 Fiber

3 - Thorlabs SM2000 Fiber

⑦: Power Type

P - Pulse Application

C - Continuous Wave