

2 μ m Polarization Insensitive Circulator (FCIR Series)

Rev 11C

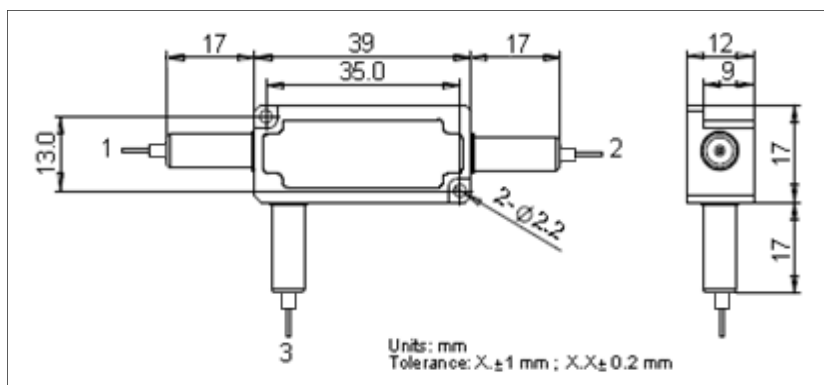
The 2 μ m Polarization Insensitive Circulator is a high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3.

Specifications

Parameter	Unit	Value
Operating Wavelength	nm	1950 or 2000
Max. Insertion Loss, 23 °C, $\lambda_c \pm 30$ nm	dB	1.5
Min. Isolation, 23 °C, $\lambda_c \pm 30$ nm	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		optional
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85
Package Dimensions	mm	12 x 17 x 39

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

Package Dimensions



Ordering Information

FCIR-①①①①-②-③-④-⑤-⑥-⑦

①①①①: Wavelength

1950 - 1950 nm

2000 - 2000 nm

SSSS - Specify

②: Handling Power

03 - 0.3 W 05 - 0.5 W

1 - 1 W 5 - 5 W

2 - 2 W S - Specify

③: Connector Type

1 - FC/UPC 3 - SC/UPC

2 - FC/APC 4 - SC/APC

N - None S - Specify

④: Fiber Jacket

B - 250 μ m bare fiber

L - 900 μ m loose tube

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