Advanced Fiber Resources (HK), Ltd.

1064 nm Polarization Insensitive Optical Circulator (FCIR Series)

Rev 11

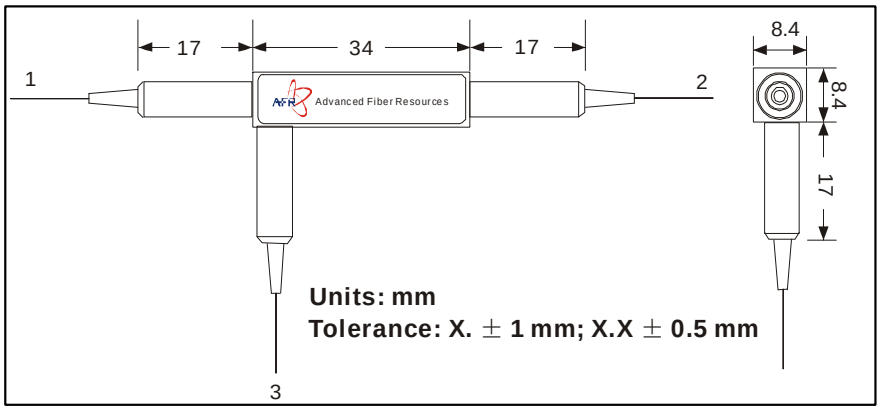
The Optical Circulator is a compact, high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. The component provides high isolation, low insertion loss, low PDL, low PMD and excellent environmental stability.

Specifications

Parameter	Unit	Value
Center Wavelength (λc)	nm	1064
Operating Wavelength Range	nm	λc ± 5
Typ. Insertion Loss, 23 ℃	dB	2
Max. Insertion Loss, 23 ℃	dB	2.2
Min. Isolation,λc, 23 ℃, all polarization states	dB	20
Min. Crosstalk	dB	45
Min. Return Loss	dB	50
Max. Polarization Dependent Loss, 23 ℃	dB	0.2
Max. Polarization Mode Dispersion	ps	0.1
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Operating Temperature	℃	0 to +30
Storage Temperature	℃	-40 to +85
Fiber Type		HI 1060 fiber
Package Dimensions	mm	34 × 8.4 × 8.4

*IL is 0.5 dB higher and RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

FCIR-①①-②-③-④

①①: Wavelength
06 - 1064 nm
SS - Specify

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

③: Fiber Jacket
B - 250 μm bare fiber
L - 900 μm loose tube
S - Specify

④: Fiber Length
1 - 1.0 m
S - Specify

JAPAN DEVICE 日本デバイス株式会社 E-mail sales@j-device.com
www.j-device.com Tel 03-6262-3424 Fax 03-6800-5883