



# 1030nm Polarization Insensitive Optical Circulator (FCIR Series)

Spec Review No.: SR5176 Date: April 14, 2010

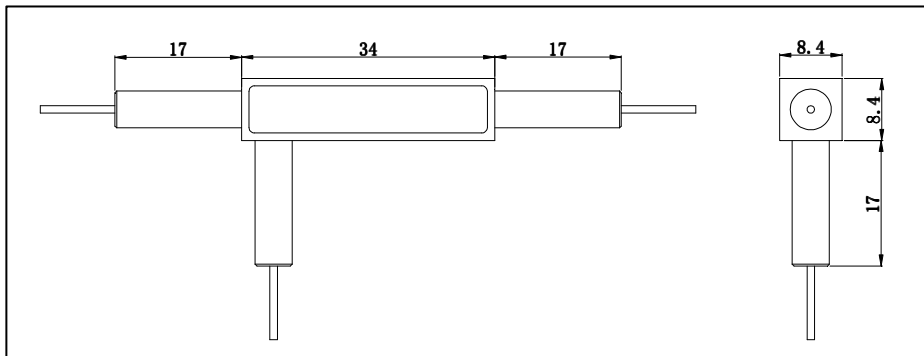
The Optical Circulator is a compact, high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. The component provides high isolation, low insertion loss, low PDL, low PMD and excellent environmental stability.

## Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1035
Operating Wavelength Range	nm	$\lambda_c \pm 5$
Typ. Insertion Loss	dB	3.5
Max. Insertion Loss	dB	4.2
Min. Isolation	dB	20
Min. Crosstalk	dB	45
Min. Return Loss	dB	50
Max. Polarization Dependent Loss	dB	0.2
Max. Polarization Mode Dispersion	ps	0.1
Max. Optical Power (Continuous Wave)	mW	50
Max. Tensile Load	N	5
Operating Temperature	°C	0 to +40
Storage Temperature	°C	-40 to +85
Fiber Type		HI 1060 fiber
Package Dimensions	mm	(L)34x(W)8.4x(H)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	②: Connector Type	③: Fiber Type	④: Fiber Length
03 - 1035 nm	1 - FC/UPC	B - 250 um bare fiber	1 - 1.0 m
SS - Specify	2 - FC/APC	L - 900 um loose tube	S - Specify
	3 - SC/UPC	S - Specify	
	4 - SC/APC		
	N - None		