



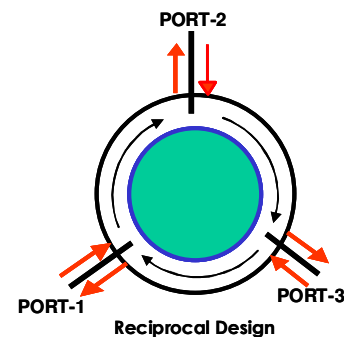
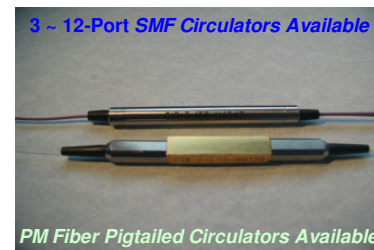
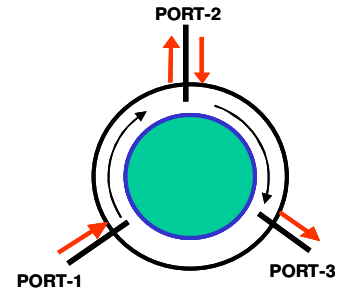
C+L Band 3-Port Fiber Optic Circulator (FCIR-C/L Series)

Descriptions

PHOTONIK'S C+L broadband fiberoptic circulator is a compact, high performance lightwave component that works to transmit the incoming signal from port 1 to port 2, and another incoming signal from port 2 to port 3 simultaneously. 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. 3 - 10 ports circulators are available and reciprocally-designed circulators can be delivered upon request.

Specifications

Parameter	Unit	Values
Operation Wavelength	nm	1520 ~ 1620 (C+L band)
Typical Insertion loss	dB	SP: 0.60(Selected P-grade); P: 0.70(P-grade) A: 0.80(A-grade); B: 1.00(B-grade)
Maximum Insertion loss	dB	SP: 0.70(Selected P-grade); P: 0.80(P-grade) A: 0.90(A-grade); B: 1.20(B-grade)
Port-Port Isolation	dB	≥45
Cross talk	dB	≥50
Return loss	dB	≥55
PDL	dB	≤0.1
PMD	ps	≤0.1
Max. Optical Power	mW	300; or upon special request for high power
Max. Tensile Load	N	5
Fiber Type		Corning SMF-28
Operation Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85
Package Dimensions	mm	Dia 5.5 x L63.0mm; or 5.5x5.5mm, L63.0mm



* For devices with connectors, insertion loss will be 0.2-0.3dB higher, RL will be 5dB lower.

Ordering Information

FCIR-C/L-①-②-③-④-⑤

①: Connector type

1 - FC/UPC

2 - ST/UPC

3 - LC/UPC

4 - FC/APC

5 - SC/APC

6 - SC/UPC

S - Specify

N - None

②: Grade

SP - Selected from P-grade

P - P-grade

A - A Grade

B - B-grade

③: Fibre Type

B - 250µm bare fiber

L - 900µm loose tube

T - 900µm tight buffer fiber

④: Fibre Length

1 - 1.0 meter

S - Specify

⑤: Configuration Options

N - Standard

R - Reciprocal Design

S - Others, please specify

Contact Information:

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Photonik reserves the rights to change product designs and specifications at any time without notice.