

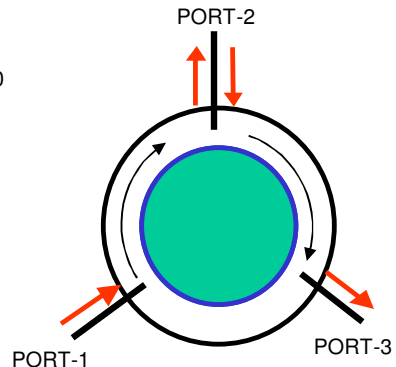
Polarization Insensitive Mini Fiber Optic Circulator (FCIR Series)



PHOTONIK'S mini fiber optic circulator is a compact, high performance lightwave component that transmits 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
Center Wavelength	nm	1310 or 1550
Operating Wavelength	nm	± 20nm
Typical Insertion loss	dB	0.6
Maximum Insertion loss	dB	0.7
Isolation	dB	≥45
Cross talk	dB	≥50
Return loss	dB	≥55
PDL	dB	≤0.1
PMD	ps	≤0.1
Max. Optical Power	mW	300
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 63mm



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

Ordering Information

FCIR-①①-②-③-④

①① : Wavelength
31 - 1310
55 - 1550
SS - Specify

② : Connector type
1 - FC/UPC
2 - ST/UPC
3 - LC/UPC
4 - FC/APC
5 - SC/APC
6 - SC/UPC
S - Specify
N - None

③ : Fibre Type
B - 250µm bare fiber
L - 900µm loose tube
T - 900um tight buffer fiber

④ : Fibre Length
1 - 1.0 meter
S - Specify



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