3 & 4 Port PM Circulator at 1030nm

Polarization Maintaining

FEATURES:

- Up to 50 mW power handling
- Fiber Options at 1030 nm

APPLICATIONS:

- Lasers
- R&D/instrumentation
- Telecommunications

The 2 x 2 Polarization Maintaining Optical 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. These components provide high isolation, low insertion loss, low PDL, low PMD, high extinction ratio and good environment stability. This can be used in DWDM systems, Laser systems and high speed and bi-direction communication systems.

SPECIFICATIONS

Parameter	Units	Values
Center wavelength (λc)	nm	1030
Typ. Insertion Loss	dB	3.5
Max. Insertion Loss at -5 to +50 ° C	dB	4.2
Min. Isolation, 23 ° C	dB	18
Typ. Isolation	dB	25
Min. Return Loss	dB	50
Min. Crosstalk	dB	50
Min. Extinction Ratio	dB	20
Max. Optical Power (CW)	mW	50
Max. Tensile Load	N	5
Fiber type		PM 980 Panda Fiber
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-40 to +85

Above specifications are for devices without connectors. With the addition of connectors adds 0.3dB to the insertion loss. The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked. The transmission optical path of 2x2 type B: 1 -> 2, 2 -> 3, 3 -> 5, 4 -> 1.

Note: Customized design of SM and PM 3 or 4 Port Circulators are available. Please contact sales@fiberlogix.com for further details. Compact package sizes are also available. All operating wavelengths supported.

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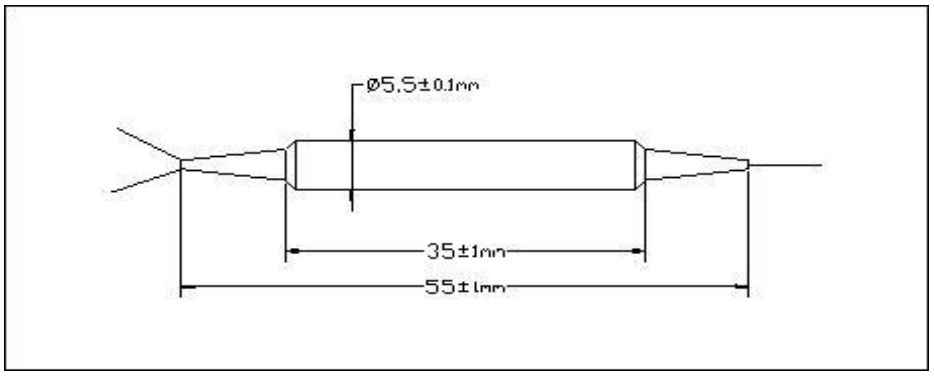
Fiber Optic Components

Fiber Optic Components

Package Dimensions



ORDERING INFORMATION

Part No: FL-PMCIR-03-4-2-L-1.0. Premium Grade.

Wavelength: 1030 nm. Package Type: Tube: 5.5 x 55mm. 900um loose tube.
Connector type: FC/APC on ports 1 and 4.

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