

4 Port PM Fiber Circulator



ACP's polarization maintaining optical circulator utilizes proprietary designs and metal bonding micro optics packaging. It provides low insertion loss, broad band high isolation, high extinction ratio, excellent temperature stability, and epoxy free optical paths. It can be used for wavelength add/drop, dispersion compensation, and EDFA applications.

All AC Photonics' products are Telcordia qualification tested.

Key Features

- Low Insertion Loss
- Wide Band, High Isolation
- High Extinction Ratio
- Compact In-line Package
- High Stability and Reliability
- Epoxy Free Optical Path

Applications

- Optical Amplifier
- Metro Area Network
- Wavelength Add/Drop
- Dispersion Compensation
- Bi-directional Communication

Performance Specifications

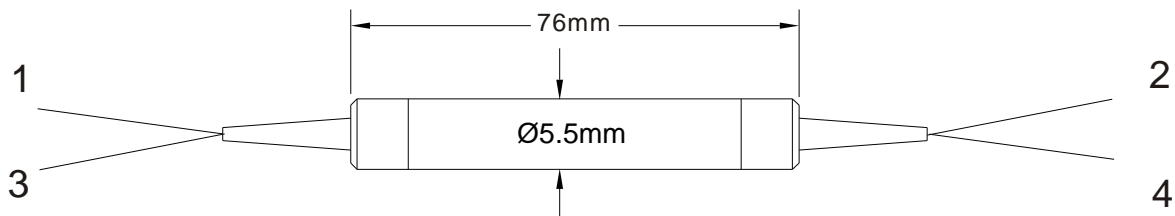
Parameter		Specifications
Configuration		Port1 to 2, Port2 to 3, Port3 to 4
Operating Wavelength		1525nm to 1565nm
Insertion Loss	Typical	≤ 1.0dB
	Maximum	≤ 1.3dB
Channel Peak Isolation		≥ 40dB
Channel Typical Isolation		≥ 30dB
Channel Cross Talk		≥ 50dB
Extinction Ratio		≥ 16
Return Loss		≥ 55dB
Optical Power		≤ 300mW
Direction of incident polarization		Slow axis
Operating Temperature		0 to +70°C
Storage Temperature		-40 to +85°C
Fiber Type		PM on port1 and 2, SMF-28 or PM on port3
Package Dimensions		Ø5.5 x L76mm

NOTE: 1. The PM fiber and the connector key are aligned to the slow axis.

2. ER value applies to fiber ≤ 0.75m. Increased fiber length will decrease ER.

3. For each connector, IL will be 0.3dB higher, RL 5dB lower, and ER 2dB lower.

Mechanical Dimensions



Ordering Information

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	Port	Wavelength	Grade	Pigtail Style	Fiber Length	In/Out Connector	Working Axis
	4 = 4 Port	13 = 1310nm 15 = 1550nm	P = P Grade	1 = Bare Fiber 2 = 900um Jacket 3 = 3mm Cable	1 = 0.75m 2 = 1.0m 3 = 1.5m S = Specify	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC	S = Slow Axis Working B = Both Axis Working F = Fast Axis Working