

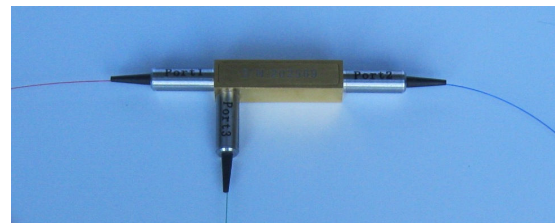
2 Micron Fiber Circulator

Polarization Insensitive: AP-CIR-2000PI
 Polarization Maintaining: AP-CIR-2000PM

A fiber circulator is typically used for routing an incoming light signal from fiber port 1 to port 2 and an incoming light signal from fiber port 2 to port 3.

Features:

- Mid-IR wavelength region
- Low insertion loss
- Low crosstalk
- High return loss
- Excellent stability and reliability
- Small package

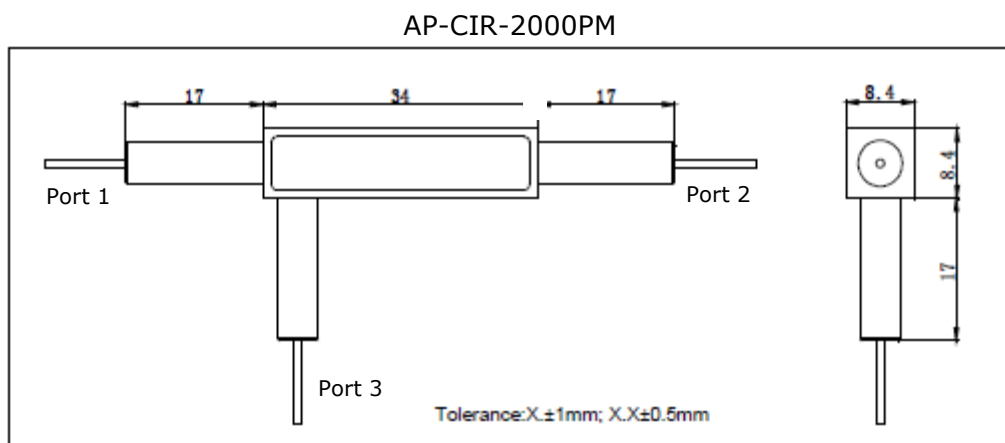
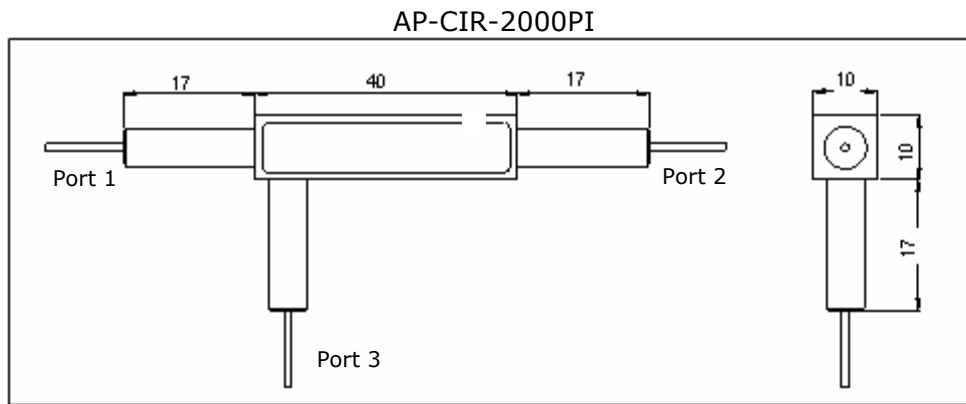


Product Characteristics:

Parameters	Unit	Specification	
		AP-CIR-2000PI	AP-CIR-2000PM
Operating Wavelength	nm	2000	2000
Max. Optical Power (CW)	W	2	2
Min. Isolation at 23°C	dB	16 (at +/-30nm)	16 (at +/-30nm)
Max. Insertion Loss at 23°C	dB	1.2	1.2
Min. Return Loss	dB	50	50
Min. Crosstalk	dB	40	40
Max. PDL	dB	0.2	
Polarization Extinction Ratio	dB		18
Package Dimensions (not including stress relief boots)	mm	10 x 10 x 40	8.4 x 8.4 x 34
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	
Max. Tensile Load	N	5	
Fiber Pigtail		SMF-28e Fiber 900µm Loose Tube Jacket Fiber Length 1.0 m No connector	Panda PM1550 Fiber 900µm Loose Tube Jacket Fiber Length 1.0 m No connector

Note: Above specifications are for device without connectors. For device with connectors, Insertion Loss is 0.3 dB higher and Return Loss is 5 dB lower for each connector.

Mechanical Outline:



Ordering Information:

2 Micron Polarization Insensitive Fiber Circulator

AP-CIR-2000PI	-	02	-	L	-	1	-	N
		Max. power 02 = 2W		Fiber pigtail: L = 900µm loose tube SMF-28 single mode fiber		Fiber length: 1 = 1m		Connector: N = no connector

2 Micron Polarization Maintaining Fiber Circulator

AP-CIR-2000PM	-	02	-	L	-	1	-	N
		Max. power 02 = 2W		Fiber pigtail: L = 900µm loose tube Panda PM 1550 fiber		Fiber length: 1 = 1m		Connector: N = no connector