

Polarization Maintaining Optical Fiber Circulator 850 nm

Model #: PMCIR

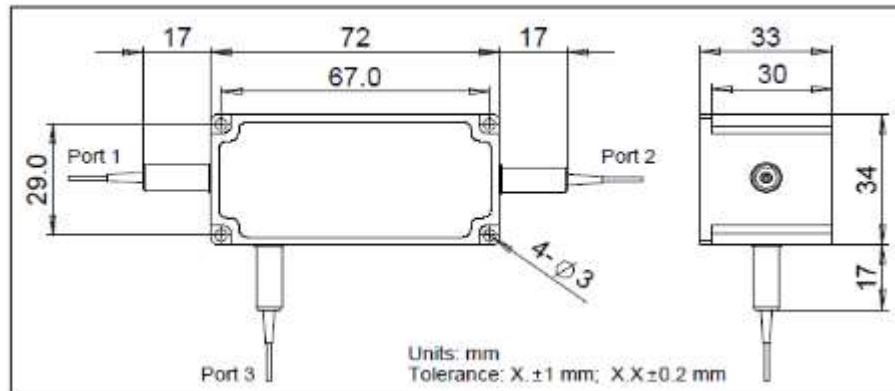
Description: The Polarization Maintaining Optical Circulator is a compact high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. The component provides high isolation, low insertion loss, high extinction ratio, and excellent environment stability.

Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications
Operating Wavelength	nm	850 ± 10
Typ. Insertion Loss 23°C	dB	1.3
Max. Insertion Loss 23°C	dB	1.5
Min. Isolation, 23°C (P2->P1; P3->P2)	dB	20
Min. Extinction Ratio	dB	18
Min. Crosstalk	dB	45
Min. Return Loss	dB	45
Max. Polarization Dependent Loss	dB	0.2
Max. Optical Power (CW)	mW	1000
Max. Tensile Load	N	5
Operating Temperature	°C	10 to +50
Storage Temperature	°C	0 to +60
Dimension	mm	72 (L) x 34 (W) x 33 (H)

Note: each connector may contribute extra 0.5 dB IL, 5 dB lower RL, and 2dB lower PER.

Package Dimensions

Ordering Information: CIR-AA-B-C-D-E-F

AA: wavelength	B: connector type	C: fiber jacket	D: fiber length	E: working axis	F: fiber type
85-850 nm	1 - FC/UPC	B - 250µm Panda fiber	1 - 0.75 m	F - fast axis blocked	1 - PM 850 fiber
XX - Other	2 - FC/APC	L - 900 µm loss tube	X - other		2 - PM780-HP fiber
	3 - SC/UPC	T - 900 µm tight buffer			X - other
	4 - SC/APC				
	N - none				
	X - other				