

4-port Polarization Maintaining Circulator

Model #: FPMCIR

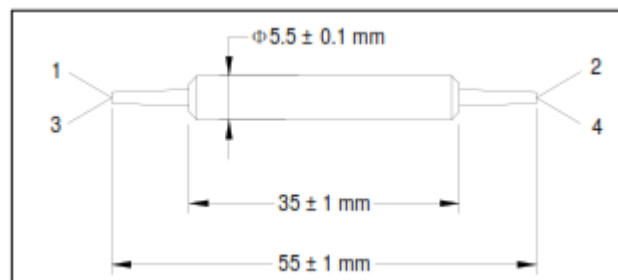
Description: 4-port Polarization Maintaining Circulator

Application: Fiber laser, fiber sensor, measurement and test

Specifications:

Parameter	Unit	Specifications	
		Type A	Type B
Configuration		Type A	Type B
Central Wavelength (λ_c)	nm	1550 or 1310	
Wavelength Range	nm	$\lambda_c \pm 30$	$\lambda_c \pm 20$
Maximum Insertion Loss (Port 1 to 2, 2 to 3, 3 to 4, 4 to 1)	dB	1.1	1.0
Typ. Insertion Loss at λ_c and 23°C	dB	0.8	0.7
Peak Isolation	dB	52	40
Typ. Isolation at λ_c and 23°C	dB	50	30
Min. Isolation at all Wavelength and 23°C	dB	40	22
Min. Polarization Extinction Ratio	dB	20	
Min. Crosstalk (Port 1 to 3, 2 to 4, 1 to 4)	dB	50	
Min. Return Loss	dB	55	
Max. Optical Power	mW	300	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to + 80	
Dimension (mm)		5 (D) x 35 (L)	
Fiber Type		PM Panda fiber for Port 1 & 2	

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.


Ordering Information:
Beam Combiner FPMCIR-AA-B-C-D-E

AA: wavelength	B: type	C: connector type	D: fiber jacket	G: fiber length
31 - 1310	A – Type A	1 - FC/UPC	B - 250 μ m Panda fiber	Q-0.75m
55 - 1550	B – Type B	2 - FC/APC	L - 900 μ m loss tube	X-other
XX - other		3 - SC/UPC	X - other	
		4 - SC/APC		
		N - none		
		X - other		