

Product: Polarization Maintaining Optical Circulator

Part Number	Spec Number	Version	Date
PM CIRXXXXXXXXXX	S301	Rev 01	06/18/2024

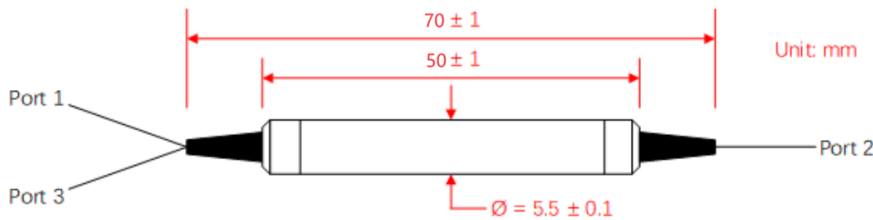
1 Specifications

Item	Parameters	Symbol	Type A	Type B	Units	Note
1.	Center Wavelength	λ_c	1310 or 1550 or 1590		nm	
2.	Operating Wavelength Range	λ_{op}	$\lambda_c \pm 20$ or 1590 ± 10		nm	
3.	Typ. Insertion Loss, λ_c , 23 °C	IL	0.7	0.6	dB	
4.	Max. Insertion Loss	IL	0.9	0.8	dB	
5.	Peak Isolation	ISO	50	30	dB	
6.	Min. Isolation, λ_c , 23 °C	ISO	40	20	dB	
7.	Min. Extinction Ratio	ER	22		dB	
8.	Min. Crosstalk	CT	50		dB	
9.	Min. Return Loss	RL	50		dB	
10.	Max. Optical Power	Pop	5		W	
11.	Max. Peak Power for ns Pulse	Pp	14		kW	
12.	Fiber Type		PM1550 or Specify			
13.	Operating Temperature	Top	-5 to 70		°C	
14.	Storage Temperature	Tstor	-40 to 85		°C	

Note:

* IL is 0.3 dB higher, RL is 5 dB lower, ER is 2 dB lower and Optical Power is 1W only for each connector added. Connector key is aligned to slow axis.

2 Drawings



3 Device Label, Delivery Data, RoHS Requirement

Triple-Stone standard format. RoHS compliant.

4 Order Information

PM CIR-1-2-3-4-5-6-7-8-9

1.	Wavelength	31 - 1310 nm, 55 - 1550 nm, 59 - 1590 nm, SS - Specify
2.	Type	A - Type A, B - Type B
3.	Handling Power	0.5 - 0.5 W, 01 - 1 W, 05 - 5 W, SS - Specify
4.	Fiber Type for P1/P2/P3	1 - PM1310, 2 - PM1550, S - Specify
5.	Fiber Length	1 - 1.0 m, S - Specify
6.	Jacket Type	B - Bare fiber, L - 900 μ m loose tube, S - Specify
7.	Connector Type	1 - FC/UPC, 2 - FC/APC, N - None, S - Specify
8.	Power Type	C - Continuous Wave, P - Pulse Application
9.	Working Axis	F - Fast axis blocked