

Introduction

Rayzer's **Polarization Maintaining Circulator(PMCIR)** series product, are non-reciprocating, one-directional, three port devices which are great for bi-directional propagation of light in a Polarization Maintaining fiber. These optical circulators are ideal for advanced communication systems, fiber sensor and fiber laser applications.



Specification

Parameter	Unit	Values			
		Type A	Type B	Type A	Type B
Center Wavelength	nm	1064		1310/1550	
Operating Wavelength Range	nm	±20		±30	±20
Typ. Insertion Loss	dB	3.2	1.6	0.6	0.5
Max. Insertion Loss	dB	3.8	2.0	0.8	0.7
Max. Isolation @λ	dB	53	30	48	32
Min. Isolation @λ	dB	46	26	40	22
@25°C Min. Extinction Ratio	dB	20		23	21
Min. Crosstalk	dB	50			
Min. Return Loss	dB	50			
Handing Power	mW	300			
Max. Tensile Load	N	5			
Fiber Type	-	PM980 Panda Fiber		PM1550 Panda Fiber	
Working Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to +85			
Package Dimension	mm	5.5×35			

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

*Above specifications are for device without connector and may change without notice.

Ordering Information

PMCIR-①-②-③-④-⑤-⑥-⑦

①Port	②Center Wavelength	③Type	④Fiber Type	⑤Fiber Length	⑥Fiber Jacket	⑦Connector
3-3 Port	1064-1064nm	A-Type A	PM980-PM980	1-1M	0-Bare Fiber	FU-FC/PC
4-4 Port	1550-1550nm	B- Type B	PM1550-PM1550	1.5-1.5M	1-900µm Loose Tube	FA-FC/APC
	S-Specify		S-Specify	S-Specify	2-2mm Cable	S-specify
					3-3mm Cable	