

Introduction

Rayzer's **High Power Polarization Maintaining Circulator(PMCIR)** series product, is non-reciprocating, one-directional, three port devices which are great for bidirectional 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
Center Wavelength	nm	1310/1550	
Operating Wavelength Range	nm	±30	±20
Typ. Insertion Loss	dB	0.6	0.5
Max. Insertion Loss	dB	0.8	0.7
Max. Isolation @λ	dB	48	32
Min. Isolation @λ	dB	40	22
@25℃ Min. Extinction Ratio	dB	23	21
Min. Crosstalk	dB	50	
Min. Return Loss	dB	50	
Handing Power	W	1/3/5/10	
Max. Tensile Load	N	5	
Fiber Type	-	PM1550 Panda Fiber	
Working Temperature	℃	-5 to +70℃	
Storage Temperature	℃	-40 + 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

HPMCIR-①-②-③-④-⑤-⑥-⑦-⑧

①Port	②Center Wavelength	③Type	④Handing Power	⑤Fiber Type	⑥Fiber Length	⑦Fiber Jacket	⑧Connector
3-3 Port	1064-1064nm	A-Type A	1-1W	PM980-PM980	1-1M	0-Bare Fiber	FU-FC/PC
4-4 Port	1550-1550nm	B- Type B	5-5W	PM1550-PM1550	1.5-1.5M	1-900μm Loose Tube	FA-FC/APC
	S-Specify		10-10W	S-Specify	S-Specify	2-2mm Cable	S-specify
			S-Specify			3-3mm Cable	