

## Introduction

Rayzer's **High Power Polarization Insensitive Circulator(PMICIR)** series, are non-reciprocating, one-directional, three port devices which are great for bidirectional propagation of light in a Single Mode 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
Min. Crosstalk	dB	50			
Min. Return Loss	dB	50			
Handling Power	W	1/3/5/10			
Max. Tensile Load	N	5			
Fiber Type	-	Hi1060		SMF28e	
Working Temperature	°C	-5 to +70°C			
Storage Temperature	°C	-40 + 85°C			
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

HPICIR-①-②-③-④-⑤-⑥-⑦-⑧

①Port	②Center Wavelength	③Type	④Handling Power	⑤Fiber Type	⑥Fiber Length	⑦Fiber Jacket	⑧Connector
3-3 Port	1064-1064nm	A-Type A	1-1W	Hi1060-Hi1060	1-1M	0-Bare Fiber	FU-FC/PC
4-4 Port	1550-1550nm	B- Type B	5-5W	SMF28e-SMF28e	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	