

Introduction

Rayzer's **High Power Polarization Maintaining Isolator (HPMI)** Series product, is in-line pig-tailed micro-optic component allows light to be transmitted only in the forward direction while blocking the backward transmission. It features high isolation, Low PDL and low insertion loss. It is ideal for fiber laser、fiber amplifier、fiber communication and fiber sensor.



Specification

Parameters	Unit	Values			
Center Wavelength	nm	808	980	1064	1550
Operating Wavelength Range	nm	±5	±10	±10	±20
Typ. Peak Isolation	dB	30	32	32	42
Min.Isolation@23℃	dB	25	25	26	28
Typ. Insertion Loss	dB	0.6	0.6	0.6	0.35
Max. Insertion Loss	dB	1.2	1.0	1.0	0.5
Min. Extinction	dB	20	20	20	22
Max. PDL	dB	0.1	0.1	0.1	0.05
Min. Return Loss	dB	50/50	50/50	50/50	55/50
Handling Power	W	1	1/3/5/10/20	1/3/5/10/20	1/3/5/10/20
Peak Power for Pulse	kW	10/20	10/20	10/20	10/20
Max. Tensile Load	N	5			
Fiber Type	-	PM780	PM980	PM980	PM1550
Working Temperature	℃	-5 to +75℃			
Storage Temperature	℃	-40 to +85℃			

*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

HPMI-①-②-③-④-⑤-⑥-⑦-⑧

①Central Wavelength	②Handling Power	③Fiber Type	④Fiber Length	⑤Fiber Jacket	⑥Connector	⑦Working Axis	⑧Power Type
1064-1064nm	2-2W	PM980-PM980	1-1M	0-Bare Fiber	FU-FC/PC	F-Fast Axis Blocked	C-Continuous
1550-1550nm	5-5W	PM1550-PM1550	S-Specify	1-900μm Loose	FA-FC/APC	B-Both Axis Blocked	P-Pulse Wave
S-Specify	10-10W	S-Specify		2-2mm Cable	S-specify		
	S-Specify			3-3mm Cable			