

## Introduction

Rayzer's High Power Polarization Insensitive Isolator (HPII) 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. Return Loss	dB	50/50	50/50	50/50	55/50
Handing 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	-	Hi780	Hi1060	Hi1060/LMA Fiber	SMF28e
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.

## Ordering Information

HPII-①-②-③-④-⑤-⑥-⑦-⑧

①Central Wavelength	②Handing Power	③Fiber Type	④Fiber Length	⑤Fiber Jacket	⑥Connector	⑦Working Axis	⑧Power Type
980-980nm	2-2W	Hi780-Hi780	1-1M	0-Bare Fiber	FU-FC/PC	F-Fast Axis Blocked	C-Continuous
1064-1064nm	5-5W	Hi1060-Hi1060	S-Specify	1-900μm Loose	FA-FC/APC	B-Both Axis Blocked	P-Pulse Wave
1550-1550nm	10-10W	S-Specify		2-2mm Cable	S-specify		
S-Specify	S-Specify			3-3mm Cable			