

975nm PM Pump Laser Protector with Isolator

FEATURES

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APPLICATIONS

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0	High Isolation
0	Low Insertion Loss

- Broadband Systems 0 **Optical Amplifying Systems**
- Low Insertion Loss
- **Telecommunication Networks** 0
- High Reliability and Stability Various Bandwidth 0
- High Optical Power 0
- Laser Systems **Research Labs** 0

SPECIFICATIONS

Parameters		Unit	Standard	High Signal Isolation		
Pump Laser Wavelength	nm	975±15				
	Type 6	nm	1020~1120			
Blocking Signal Wavelength	Type 4	nm	1000~1120			
blocking Signal Wavelength	Type 5	nm	1500~1620			
	Type 2	nm	1020~1120&1500~1620			
Pump Insertion Loss@23°C		dB	≤1.5 ≤1.8			
Backward Pump Isolation@23°C	2	dB	≥22			
Backward Signal Attenuation	dB	≥25	≥45			
Configuration	D Type		2-port			
Conngulation	Ү Туре	-	3-port, (Backward Signal/Pump Guide Out)			
Work Mode	S Type		Can only work in Slow Axis			
work mode	F Туре	-	Can work both in Slow Axis and Fast Axis			
Return Loss	dB	≥50				
Extinction Ratio		dB	≥18			
	Input&Output		PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber			
Ing Fiber Type			10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)			
			20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)			
3 rd Port	(Only for Y Type)	-	Same Fiber, Corr. SM Fiber or 105/125um MM Fiber			
Fiber Tensile Load	Ν	5				
Max. Optical Power (Pump+Sigr	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20				
Max. Backward Signal/Pump Power	W	0.3, 0.5, 1, 2, 3, 5, 10				
Operating Temperature	°C	0~50				
Storage Temperature		°C	-20~75			

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

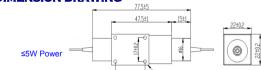
4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only

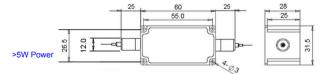
work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

5. Suggest to use Y type if blocked optical power is >1W.

6. Package size may be different for different optical power, fiber type and configurations.

DIMENSION DRAWING





Compliant

ORDERING INFORMATION (PN)

FSRI-	NN-C	(N)	(<mark>C</mark>)	(<mark>C</mark>)	(<mark>C</mark>)	-PNN	- (NN)	-C	С	NN	-CC/CCC
CW	Word Mode	Signal Type	Signal Isolation	B.Signal Fiber	B.Pump Guide Out	Optical Power	B.Signal/Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
<mark>975=</mark> 975nm	<mark>S=</mark> S Type	<mark>4</mark> = Type 4	I=High Isolation	Y= Same Fiber	P= Yes	<mark>05</mark> =500mW	<mark>05=</mark> 500mW	2=PM980Fiber	<mark>B=</mark> Bare fiber	<mark>05=</mark> 0.5m	N=Without Connector
	F= F Type	<mark>5</mark> = Type 5	<i>Blank</i> for Standard	<mark>S=</mark> Corr. SM Fiber	<i>Blank</i> for	<mark>1</mark> - 1W	<mark>1</mark> - 1W	E=PM1060L Fiber	L= Loose Tube	<mark>10=</mark> 1.0m	FC/APC=FC/APC Connector
		<mark>2=</mark> Type 2		A=105/125um Fiber	D Type or No	<mark>5</mark> = 5W	<mark>5</mark> = 5W	Q= 20/130 PMDC Fiber	<mark>2=</mark> 2mm Cable	<mark>15=</mark> 1.5m	LC/PC=LC/PC Connector
		<i>Blank</i> for Type 6		<i>Blank</i> for D Type		<mark>10-</mark> 10W	<i>Blank</i> for300mW	R=25/250 PMDC Fiber	<mark>3=</mark> 3mm Cable	<mark>20</mark> =2.0m	SC/UPC-SC/UPC Connector
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