

750~860nm PM Pump Laser Protector with Isolator

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

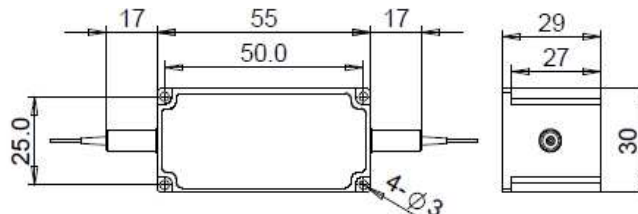
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters	Unit	Standard	High Signal Isolation
Pump Laser Wavelength	nm	750±10, 780±10, 793±10, 808±10, 830±10, 850±10	
Blocking Signal Wavelength	Type 5	nm	1500~1620
	Type 2	nm	1020~1120&1500~1620
	Type 8	nm	880~1100
	Type 9	nm	1900~2070
Pump Insertion Loss@23°C	dB	≤1.5	≤1.8
Backward Pump Isolation@23°C	dB	≥22	
Backward Signal Attenuation	dB	≥25	≥50
Configuration	D Type	-	2-port
	Y/X Type	-	3/4-port, (Backward Signal/Pump Guide Out)
Fiber Type at 3 rd /4 th Port (Only for Y/X Type)	-	Same Fiber, Corr. SM Fiber or 105/125um MM Fiber	
Work Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Return Loss	dB	≥50	
Extinction Ratio	dB	≥18	
Fiber Type	-	PM850 Fiber or PM780-HP Fiber	
Fiber Tensile Load	N	5	
Max. Optical Power (Pump+Signal, CW)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Backward Signal/Pump Power (CW)	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 0.7dB 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/X type if blocked optical power is >1W.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

FSRI- NN - C	N	(C)	C	(C)	-P NN	-(NN)(NN)	-C	C	NN	-CC/CCC	
<i>CW</i>	<i>Word Mode</i>	<i>Signal Type</i>	<i>Signal Isolation</i>	<i>B.Signal Fiber</i>	<i>B.Pump Fiber</i>	<i>Optical Power</i>	<i>B.Signal/ B.Pump Power</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
780-780nm	S= S Type	9= Type 9	I=High Isolation	Y= Same Fiber	Y= Same Fiber	05=500mW	B.Pump Power	2-PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
793-793nm	F= F Type	5= Type 5	Blank for Standard	S=Corr. SM Fiber	S=Corr. SM Fiber	1= 1W	05= 500mW	7-PM780-HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
808- 808nm		2=Type 2		A=105/125um Fiber	A=105/125um Fiber	5= 5W	1= 1W		2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
830- 830nm		8=Type 8		N=None	Blank for None	10=10W	Blank for 300mW		3= 3mm Cable	20=2.0m	SC/APC=SC/APC Connector

