

900~960nm PM Pump Laser Protector with Isolator for Pulse Power

FEATURES

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

APPLICATIONS

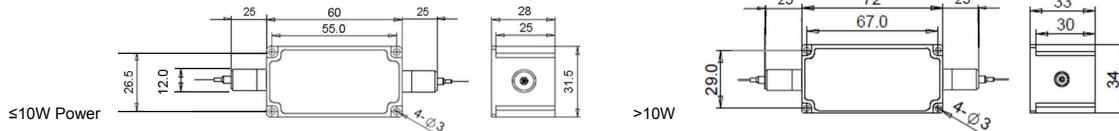
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters	Unit	Standard	High Signal Isolation
Pump Laser Wavelength	nm	915±15, 930±15, 940±15, 950±15	
Blocking Signal Wavelength	Type 6	nm	1020~1120
	Type 4	nm	1000~1120
	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	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, PM980 Fiber or PM1060L Fiber (E) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load	N	5	
Max. Average Power (Pump+Signal)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for Pulse	KW	0.1, 1, 2, 3, 5, 10, 15, 20	
Max. Backward Signal/Pump Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-20~75	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.
 - Suggest to use Y/X type if blocked optical power is >1W.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

FSRI-NNN-C	(N)	(C)	C	(C)	-H NN	P NN	-(NN)(NN)-C	C	NN	-CC/CCC															
CW	Word Mode	Signal Type	Signal Isolation	B.Signal Fiber	B.Pump Fiber	Average Power	Peak Power	B.Signal/ Fiber Type	Fiber Sleeve	Fiber Length	Connector Type														
915	915nm	S	S Type	4	Type 4	I	High Isolation	Y	Same Fiber	Y	Same Fiber	05	500mW	01	100W	B.Pump Power2	PM850 Fiber	B	Bare fiber	05	0.5m	N	Without Connector		
930	930nm	F	F Type	5	Type 5	Blank	for Standard	S	Corr. SM Fiber	S	Corr. SM Fiber	1	1W	1	1kW	05	500mW	H	PM980 Fiber	L	Loose Tube	10	1.0m	FC/APC	FC/APC Connector
940	940nm			2	Type 2	A	105/125um Fiber	A	105/125um Fiber	5	5W	5	5kW	1	1W	E	PM1060L Fiber	2	2mm Cable	15	1.5m	LC/PC	LC/PC Connector		
950	950nm			Blank	for Type 6	N	None	Blank	for None	10	10W	20	20kW	Blank	for 300mW	R	25/250 PMDC Fiber	3	3mm Cable	20	2.0m	SC/APC	SC/APC/UPC Connector		