900~960nm PM Pump Laser Protector with Isolator

FEATURES

- **High Isolation**
- Low Insertion Loss
- **Epoxy-Free Optical Path**
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- **Broadband Systems**
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- **CATV Networks**

SPECIFICATIONS

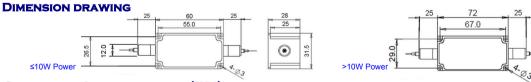
Parameters		Unit	Standard	High Signal Isolation		
Pump Laser Wavelength		nm	915±15, 930±15, 940±15, 950±15			
	Type 6	nm	1020~1120			
Blocking Signal Waveleng	Type 4	nm	1000~1120			
blocking Signal Waveleng	Type 5	nm	1500~	1620		
	Type 2	nm	1020~1120&1500~1620			
Pump Insertion Loss@23°	С	dB	≤1.5 ≤1.8			
Backward Pump Isolation	@23°C	dB	≥22			
Backward Signal Attenuat	ion	dB	≥25	≥45		
Configuration	D Type	-	2-port			
Comiguration	Y Type	-	3-port, (Backward Signal/Pump Guide O			
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			
		-	PM850 Fiber, PM980 Fiber or PM1060L Fiber (E)			
Fiber Type	Input&Output		10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)			
Tibel Type			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		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.
- 6. Package size may be different for different optical power, fiber type and configurations.



ORDERING INFORMATION (PN)

FSRI-NI	NN-C Word Mode	(N) Signal Type	(C) Signal Isolation	(C) B.Signal Fiber	(C) - B.Pump Guide Out	-P NN Optical Power	-(NN) B.Signal/Pump Power	- C Fiber Type	C Fiber Sleeve	NN - Fiber Length	CC/CCC Connector Type
915= 915nm	S= S Type	4= Type 4	I=High Isolation	Y= Same Fiber	P= Yes	05=500mW	05= 500mW	2=PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
930= 930nm	F= F Type	5= Type 5	<i>Blank</i> for Standard	S=Corr. SM Fiber	<i>Blank</i> for	1- 1W	1- 1W	H=PM980 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
940= 940nm		2= Type 2		A=105/125um Fiber	D Type or No	5= 5W	5= 5W	E=PM1060L Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
950= 950nm		<i>Blank</i> for Type 6		<i>Blank</i> for D Type		10-10W	<i>Blank</i> for 300 mW	R=25/250 PMDC Fiber	3= 3mm Cable	<mark>20=</mark> 2.0m	SC/UPC-SC/UPC Connector

Compliant

