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

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	
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	≥45
Configuration	D Type	-	2-port	
	Y Type	-	3-port, (Backward Signal/Pump Guide Out)	
Return Loss		dB	≥50	
PDL		dB	≤0.2	
Fiber Type	Input&Output	-	HI780 Fiber, HI1060 Fiber or 10/125um SC Fiber (E)	
			10/125um DC Fiber (O), 15/130um DC Fiber (W)	
			20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
	3rd Port (Only for Y Type)	-	Same Fiber or 105/125um MM Fiber	
Fiber Tensile Load		N	5	
Max. Average Power (Pump+Signal)		W	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: 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.

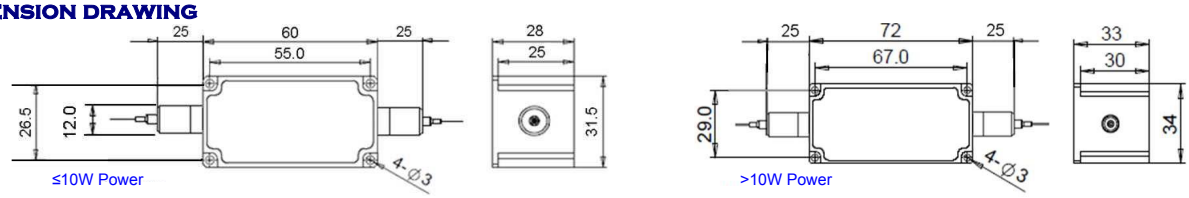
3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

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.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

FSPI-NNN-(N) (C) (C) (C) - H NN PNN - (NN) -(C) C NN - CC/CCC

CW	Signal Type	Signal Isolation	B.Signal Fiber	B.Pump Guide Out	Average Power	Peak Power	B.Signal/Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915= 915nm	4= Type 4	I=High Isolation	Y= Same Fiber	P= Yes	1= 1W	01=100W	05= 500mW	H=HI1060 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
930= 930nm	5= Type 5	Blank for Standard	A=105/125um Fiber	Blank for	5= 5W	1= 1kW	1= 1W	E=10/125 SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
940= 940nm	2=Type 2		Blank for D Type	D Type or No	10=10W	5= 5kW	5= 5W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
950= 950nm	Blank for Type 6				20=20W	20=20kW	Blank for300mW	Blank for HI780 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector