975nm Singlemode Pump Laser Protector for Pulse

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 Isolation
Pump Laser Center Wavelength		nm	975	
Pump Laser Bandwidth		nm	+/-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	Typ.	dB	0.5	0.6
	Max.	dB	0.8	
Backward Signal Attenuation	Typ.	dB	≥25	≥50
Configuration	D Type	-	2-port	
	Y Type	-	3-port, (Backward Power Guide Out)	
Return Loss		dB	≥50	
Fiber Type	Input &Output	-	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 50/125um MM Fiber	
Fiber Tensile Load		N	5	
Maximum 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. Signal Average Power		W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL35 (≤5W); Ø6.0xL50 (5~10W)	
	Metal Box	mm	L90xW12xH10 (>10W); L120xW12xH10 (≤10W)	

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.

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.

ORDERING INFORMATION (PN)

FSPP-NNN- (N) (C) (C) -H NN P NN - (NN) - (C) (C) C NN -CC/CCC

Center Wavelength	Type	Isolation	3rd Port Fiber	Average Power	Peak Power	Signal Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
975=975nm	4= Type 4	I=High Isolation	Y= Same Fiber	03=300mW	01=100W	05=500mW	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	5= Type 5	Blank for Standard	5=50/125um Fiber	1= 1W	1= 1kW	1= 1W	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	2=Type 2		Blank for D Type	5= 5W	5= 5kW	5= 5W	or >10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	Blank for Type 6			10=10W	10=10kW	Blank for 300mW		Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector