

975nm Singlemode Pump Laser Protector

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	+/-10	
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		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)	
	3 rd Port (Only for Y Type)	-	Same Fiber or 50/125um 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. Signal Power (CW)		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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower.
 - 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 type if blocked optical power is >1W.
 - Package size may be different for different optical power, fiber type and configurations.

ORDERING INFORMATION (PN)

FSP-P-NNN	- (N)	(C)	(C)	-P NN	-(NN)	-(C)	(C)	C	NN	- CC/CCC
Center Wavelength	Type	Isolation	3rd Port Fiber	Optical 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	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= 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= 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	Blank for 300mW		Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

