

## 980nm 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	Value	
Pump Laser Center Wavelength	nm	980	
Pump Laser Bandwidth	nm	+/-15	
Blocking Signal Wavelength	Type 6	nm	1020~1120
	Type 5	nm	1500~1620
	Type 2	nm	1020~1120&1500~1620
Pump Insertion Loss	Typ.	dB	0.6
	Max.	dB	0.8
Backward Signal Attenuation	Typ.	dB	35
	Min.	dB	30
Configuration	D Type	-	2-port
	Y Type	-	3-port, (Backward Power Guide Out)
Fiber Type at 3 <sup>rd</sup> Port (Only for Y Type)	-	-	Same Fiber or 50/125um Fiber
Return Loss	dB	-	≥50
Fiber Type	-	-	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)
Fiber Tensile Load	N	-	5
Maximum Optical Power (CW)	W	-	1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	-	0~50
Storage Temperature	°C	-	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)
	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 (≤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.

### ORDERING INFORMATION (PN)

FSP- Center Wavelength	NNN Type	- (N) 3rd Port Fiber	(C) Optical Power	P Package	NN Fiber Type	- (C) Fiber Sleeve	(C) Fiber Length	C Connector Type	NN Fiber Length	- CC/CCC Connector Type
980-980nm	5= Type 5	Y= Same Fiber	03=300mW	M= Metal Box	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N= Without Connector	05=0.5m	N= Without Connector
	2= Type 2	5=50/125um Fiber	1= 1W	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	10=1.0m	FC/APC=FC/APC Connector
	Blank for Type 6	Blank for D Type	5= 5W	or >10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	15=1.5m	LC/PC=LC/PC Connector
			10=10W		Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	20=2.0m	SC/UPC=SC/UPC Connector