

## 980nm Singlemode Pump Laser Protector for Pulse



### FEATURES

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

### APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro 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 MM Fiber
Return Loss	dB		≥50
Fiber Type	-		H11060 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 Average Optical Power	W		1, 2, 3, 5, 10, 15, 20
Max. Peak Power for Pulse	kW		0.1, 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-NNN	(N)	(C)	H	NN	P	NN	(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Type	3rd Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
980-980nm	5=Type 5	Y= Same Fiber	03=300mW	01=100W	M= Metal Box	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector		
	2=Type 2	5=50/125um Fiber	1= 1W	1= 1kW	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
	Blank for Type 6	Blank for D Type	5= 5W	5= 5kW	or >10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
			10=10W	10=10kW		Blank for H11060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		