750~860nm 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	750, 780, 793, 808, 830, 850	
Pump Laser Bandwidth		nm	+/-10	
Blocking Signal Wavelength	Type 5	nm	1500~1620	
	Type 2	nm	1020~1120&1500~1620	
	Type 8	nm	880~1100	
	Type 9	nm	1900~2070	
Pump Insertion Loss	Typ.	dB	0.9	1.0
	Max.	dB	1.8	
Backward Signal Attenuation		dB	≥25	≥45
Configuration	D Type	-	2-port	
	Y Type	-	3-port, (Backward Power Guide Out)	
Return Loss		dB	≥50	
Fiber Type	Input & Output	-	HI780 Fiber or 780-HP Fiber	
	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	^{Ø}5.5x^{L}35 (≤5W); ^{Ø}6.0x^{L}50 (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 0.7dB 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.
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*
780=780nm	5= Type 5	I=High Isolation	Y= Same Fiber	03=300mW	01=100W	05=500mW	M=Metal Box	7= 780HP Fiber	B= Bare fiber	05=0.5m	N=Without Connector
793=793nm	9=Type 9	*Blank* for Standard	5=50/125um Fiber	1= 1W	1= 1kW	1= 1W	*Blank* for SST or >10W	*Blank* for HI780 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
808= 808nm	8= Type 8		*Blank* for D Type	5= 5W	5= 5kW	5= 5W			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
830= 830nm	2= Type 2			10=10W	10=10kW	*Blank* for 300mW			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector