

750~860nm PM Pump Laser Protector for Pulse Power

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 ER Type
Pump Laser Center Wavelength	nm	750, 780, 793, 808, 830, 850	
Pump Laser Bandwidth	nm	+/-10	
Blocking Signal Wavelength	Type 5	1500~1620	
	Type 2	1020~1120&1500~1620	
	Type 8	880~1100	
	Type 9	1900~2070	
Pump Insertion Loss	Typ.	0.9	1.0
	Max.	1.8	
Backward Signal Attenuation	Standard	≥25	
	High Isolation	≥50	
Configuration	D Type	2-port	
	Y Type	3-port, (Backward Power Guide Out)	
Return Loss	dB	≥50	
Extinction Ratio	dB	≥18	≥20
Fiber Type	Input & Output	PM850 Fiber or PM780-HP Fiber	
	3 rd Port (Only for Y Type)	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber	
Fiber Tensile Load	N	5	
Max. 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)	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)	
	Metal Box	L90x ^W 12x ^H 10 (>10W); L120x ^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, ER is 2dB Lower, Connector key is aligned to slow axis.
 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. High ER type can only work in slow axis; 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)

FSPR-NNN	(C) - N	(C)	(C)	-H NN	P NN	-(NN)	-(C)	N	C	NN	-CC/CCC	
Center Wavelength	Type	Type	Isolation	3rd Port Fiber	Average Power	Peak Power	Signal Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
780-780nm	R=High ER	5=Type 5	I=High Isolation	Y=Same Fiber	03=300mW	01=100W	05=500mW	M=Metal Box	2=PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
793-793nm	Blank for Standard	9=Type 9	Blank for Standard	S=Corr. SM Fiber	1=1W	1=1kW	1=1W	Blank for SST	7=PM780HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
808-808nm		8=Type 8		5=50/125um Fiber	5=5W	5=5kW	5=5W	or >10W		2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
830-830nm		2=Type 2		Blank for D Type	10=10W	10=10kW	Blank for 300mW			3= 3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector

