980nm Singlemode PM 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 ER Type
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		dB	≤0.8	≤1.0
Backward Signal Attenuation		dB	≥30	
Configuration	D Type	-	2-port	
	Y Type	-	3-port, (Backward Power Guide Out)	
Fiber Type at 3rd Port (Only for Y Type)		-	Same Fiber, Corresponding SM Fiber or 50/125um MM Fiber	
Return Loss		dB	≥50	
Extinction Ratio		dB	≥18	≥20
Fiber Type		-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC 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, 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

5. High ER type can only work in slow axis; Suggest to use Y type if blocked optical power is >1W.

ORDERING INFORMATION (PN)

FSPR-NNN (C) - (N) (C) H NN P NN - (C) C C NN - CC/CCC

Center Wavelength	Type	Type	3rd Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
980=980nm	R=High ER	5= Type 5	Y= Same Fiber	03=300mW	01=100W	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	Blank for Standard	2=Type 2	S=Corr. SM Fiber	1= 1W	1= 1kW	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		Blank for Type 6	5=50/125um Fiber	5= 5W	5= 5kW	or >10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			Blank for D Type	10=10W	10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector