975nm 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	975	
Pump Laser Bandwidth		nm	+/-10	
Blocking Signal Wavelength	Type 6	nm	1020~1120	
	Type 4	nm	1000~1120	
	Type 5	nm	1500~1620	
	Type 2	nm	1020~1120&1500~1620	
Pump Insertion Loss		dB	≤0.8	≤1.0
Backward Signal Attenuation	Standard	dB	≥25	
	High Isolation	dB	≥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	-	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)	
	3rd 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)	mm	Ø5.5xL38 (≤5W); Ø6.0xL50 (5~10W)	
	Metal Box	mm	L90xW12xH10 (>10W); L120xW12xH10 (≤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.
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 PNN - (NN) -(C) C 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
975=975nm	R=High ER Blank for Standard	4= Type 4 5= Type 5 2=Type 2 Blank for Type 6	I=High Isolation Blank for Standard	Y= Same Fiber S=Corr. SM Fiber 5=50/125um Fiber Blank for D Type	03=300mW 1= 1W 5= 5W 10=10W	01=100W 1= 1kW 5= 5kW 10=10kW	05=500mW 1= 1W 5= 5W Blank for 300mW	M=Metal Box Blank for SST or >10W	2=PM980Fiber E=PM1060L Fiber Q=20/130 PMDC Fiber R=25/250 PMDC Fiber	B= Bare fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector