975nm Singlemode PM Pump Laser Protector

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. Optical Power (Pump+Signal, CW)		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Signal Power (CW)		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)	-P NN	-(NN)	- (C)	C	C	NN	-CC/CCC
Center Wavelength	*Type*	*Type*	*Isolation*	*3rd Port Fiber*	*Optical Power*	*Signal Power*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
975=975nm	R=High ER	4= Type 4	I=High Isolation	Y= Same Fiber	03=300mW	05=500mW	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	Blank for Standard	5= Type 5	*Blank* for Standard	S=Corr. SM Fiber	1= 1W	1= 1W	*Blank* for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		2=Type 2		5=50/125um Fiber	5= 5W	5= 5W	or >10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		Blank for Type 6		*Blank* for D Type	10=10W	*Blank* for 300mW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector