975~1000nm PBC/PBS for Pulse Power

Features

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

Applications

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

Specifications

Parameter		Unit	Value
Center Wavelength		nm	975, 980, 990, 1000
Bandwidth		nm	+/-15
Insertion Loss	(Typ.)	dB	0.6
	(Max.)	dB	1.0
Directivity		dB	≥50
Optical Return Loss		dB	≥45
Extinction Ratio (for FPBS)	(Typ.)	dB	22
	(Min.)	dB	18
Fiber Type of Port 1 & Port 2		-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
			10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W)
			20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Type of Port 3	S Type	-	Corresponding SM Fiber
	P Type	-	Same Fiber to Port1&2, Slow axis align to Port 1
	Q Type	-	Same Fiber to Port1&2, Slow axis is 45° to Port 1
Direction of Incident Polarization		-	Slow Axis
Fiber Tensile Load		N	5
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5 10, 15, 20, 25, 30, 40, 50, 60. 80, 100
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	Ø5.5xL35 (≤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. Package size may be different for different optical power and fiber type.

Ordering Information (PN) *FPBC=Polarization Beam Combiner; FPBS=Polarization Beam Splitter.*

FPBC / FPBS - NNN - C H NN P NN - (C) C C NN -CC/CCC

Center Wavelength	3rd Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
975=975nm	S=S Type	03=300mW	01=100W	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
980=980nm	P=P Type	1= 1W	1= 1kW	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
990=990nm	Q=Q Type	5= 5W	5= 5kW	or >10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1000=1000nm		10=10W	10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector