2000nm High Power PBC/PBS

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	1950, 2000	1900, 2050
Bandwidth		nm	+/-30	+/-20
Insertion Loss	(Typ.)	dB	0.8	
	(Max.)	dB	1.6	
Directivity		dB	≥45	
Optical Return Loss		dB	≥45	
Extinction Ratio (for FPBS)	(Typ.)	dB	22	
	(Min.)	dB	18	
Fiber Type of Port 1 & Port 2		-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/400um 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	
Maximum Optical Power (CW)		W	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 0.3dB 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 - NNNN - C HP NN - (C) C C NN -CC/CCC

Center Wavelength	3rd Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900= 1900nm	S=S Type	1= 1W	M=Metal Box	2= PM1550 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1950= 1950nm	P=P Type	5= 5W	*Blank* for SST	V= PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000=2000nm	Q=Q Type	10=10W	or >10W	O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050=2050nm		20=20W		R=25/400 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector