

2000nm 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	1950, 2000	1900, 2050
Bandwidth	nm	+/-30	+/-20
Insertion Loss	(Typ.)	dB	
	(Max.)	dB	
Directivity	dB	≥45	
Optical Return Loss	dB	≥45	
Extinction Ratio (for FPBS)	(Typ.)	dB	
	(Min.)	dB	
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	
Max. Average Optical Power	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	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)
Dimension	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 0.3dB 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	H NN	PNN	-(C)	C	C	NN	-CC/CCC
	Center Wavelength		3rd Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1900-1900nm		S=S Type	03-300mW	01-100W	M= Metal Box	2= PM1550 Fiber	B= Bare fiber	05-0.5m	N= Without Connector
	1950-1950nm		P=P Type	1= 1W	1= 1kW	Blank for SST	V= PM1950 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	2000-2000nm		Q=Q Type	5= 5W	5= 5kW	or >10W	O=10/130 PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
	2050-2050nm			10-10W	10-10kW		R=25/400 PMDC Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector