

2000nm Polarization Beam Combiner/Splitter

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	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	∅5.5xL35
Dimension	Metal Box	mm	L120xW12xH10

- 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. 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.
 4. Package size may be different for different fiber type.

ORDERING INFORMATION (PN) FPBC=Polarization Beam Combiner; FPBS=Polarization Beam Splitter.

FPBC	NNNN	-	C	-	(C)	C	C	NN	-	CC/CCC
FPBS	<i>Center Wavelength</i>		<i>3rd Port Fiber</i>		<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
	1900-1900nm		S=S Type		M=Metal Box	2= PM1550 Fiber	B= Bare fiber	05=0.5m		N=Without Connector
	1950-1950nm		P=P Type		Blank for SST	V= PM1950 Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
	2000=2000nm		Q=Q Type			O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
	2050=2050nm					R=25/400 PMDC Fiber	3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector