1020~1150nm 2x2 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	1020, 1030, 1040, 1053 1064, 1070, 1080	1092, 1103 1120, 1150
Bandwidth		nm	+/-20	+/-10
Insertion Loss (Port 3 to Port 1/2 at Slow Axis, Port 4 to Port 1/2 at Fast Axis)	(Typ.)	dB	0.8	1.0
	(Max.)	dB	1.2	1.5
Optical Return Loss		dB	≥45	
Extinction Ratio (for FPDS)	(Typ.)	dB	22	
	(Min.)	dB	20	
Fiber Type of Port 1 & Port 2		-	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)	
Fiber Type of Port 3 & Port 4	S Type	-	Corresponding SM Fiber	
	P Type	-	Same Fiber to Port1&2, Slow axis align to Port 1 Slow/Fast axis	
	Q Type	-	Same Fiber to Port1&2, Slow axis is 45° to Port 1 Slow/Fast axis	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	

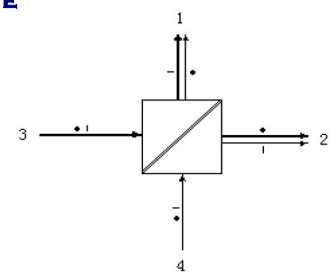
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

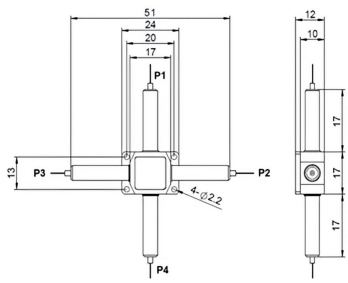
3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

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

Light Route



Package Dimension



Ordering Information (PN)

FPDC=Polarization Beam Combiner; FPDS=Polarization Beam Splitter.

FPDC / FPDS - NNNN - C C - C C NN - CC/CCC

Center Wavelength	3rd Port Fiber	4th Port Fiber	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030=1030nm	S=S Type	S=S Type	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1064=1064nm	P=P Type	P=P Type	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1092=1092nm	Q=Q Type	Q=Q Type	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1120=1120nm			R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector