

## 1020~1150nm 2x2 PBC/PBS for Pulse Power

### FEATURES

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

### APPLICATIONS

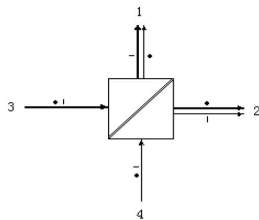
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

### SPECIFICATIONS

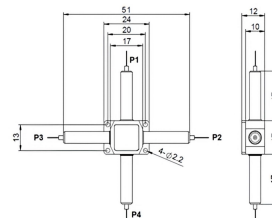
Parameter	Unit	Value	
Center Wavelength	nm	1020, 1030, 1040, 1053 1064, 1070, 1080	1092, 1103 1120, 1150
Bandwidth	nm	+/-20	+/-10
Insertion Loss (Port 3 to Port 1/2 at Slow Axis, Port 4 to Port 1/2 at Fast Axis)	(Typ.)	dB	0.8
	(Max.)	dB	1.2
Optical Return Loss	dB	≥45	
Extinction Ratio (for FPDS)	(Typ.)	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), 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. 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	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - 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.
  - Package size may be different for different optical power and fiber type.

### LIGHT ROUTE



### PACKAGE DIMENSION



### ORDERING INFORMATION (PN) FPDC=Polarization Beam Combiner; FPDS=Polarization Beam Splitter.

FPDC FPDS	NNNN	C	C	H NN	P NN	C	C	NN	CC/CCC
	Center Wavelength	3rd Port Fiber	4th Port Fiber	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1030-1030nm	S=S Type	S=S Type	03=300mW	01=100W	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	1064-1064nm	P=P Type	P=P Type	1= 1W	1= 1kW	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	1092-1092nm	Q=Q Type	Q=Q Type	5= 5W	5= 5kW	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	1120-1120nm			10=10W	10=10kW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

