

## 2x2 High Power 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	1310, 1480, 1550, 1590
Bandwidth	nm	+/-20
Insertion Loss (Port 3 to Port 1/2 at Slow Axis, Port 4 to Port 1/2 at Fast Axis)	(Typ.)	0.8
	(Max.)	1.2
Optical Return Loss	dB	≥45
Extinction Ratio (for FPDS)	(Typ.)	22
	(Min.)	18
Fiber Type of Port 1 & Port 2	-	PM1310/1550 Panda Fiber or 10/125um PMSC Fiber (E) 10/125um PMDC Fiber (O), 12/130um PMDC Fiber (T) 25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)
Fiber Type of Port 3 & Port 4	S Type	-
	P Type	-
	Q Type	-
Fiber Tensile Load	N	5
Max. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85

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

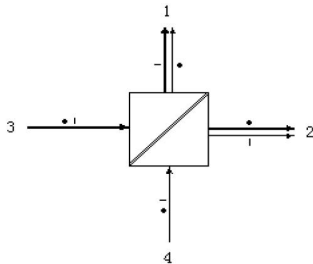
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

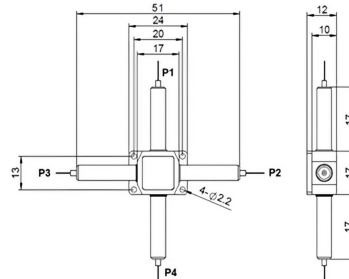
4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

5. Package size may be different for different optical power and fiber type.

### LIGHT ROUTE



### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

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

#### FPDC

FPDS - **NNNN** - **C** **C** - **HP NN** - **C** **C** **NN** - **CC/CCC**

Center Wavelength	3rd Part Fiber	4th Part Fiber	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	S=S Type	S=S Type	1-1W	2-PM1310/1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1480-1480nm	P=P Type	P=P Type	5-5W	E=10/125 PMSC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550-1550nm	Q=Q Type	Q=Q Type	10-10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590-1590nm			20-20W	G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

