1610~1790nm 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

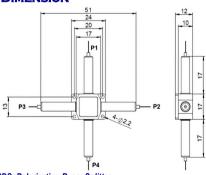
Parameter		Unit	Value		
Center Wavelength		nm	1625, 1650, 1700, 1730, 1750, 1790		
Bandwidth		nm	+/-10		
Insertion Loss (Port 3 to Port 1/2 at Slo	w (Typ.)	dB	1.0		
Axis, Port 4 to Port 1/2 at Fast Axis)	(Max.)	dB	1.5		
Optical Return Loss		dB	≥45		
Extinction Ratio (for FPDS)	(Typ.)	dB	22		
	(Min.)	dB	20		
			PM1550 Panda Fiber or 10/125um PMSC Fiber (E)		
Fiber Type of Port 1 & Port 2		-	10/125um PMDC Fiber (O), 12/130um PMDC Fiber (T)		
			25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)		
	S Type	-	Corresponding SM Fiber		
Fiber Type of Port 3 & Port 4	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 0.3dB 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.

LIGHT ROUTE

PACKAGE DIMENSION



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

FPDC -	NNNN C		С	- C	C	NN	- CC/CCC
	Center Wavelength	3rd Port Fiber	4th Port Fiber	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1625=1625nm	S=S Type	S=S Type	2=PM1550Fiber	B= Bare fiber	05=0.5m	N-Without Connector
	1700=1700nm	P=P Type	P=P Type	E=10/125 PMSC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	1730-1730nm	Q=Q Type	Q=Q Type	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	1790-1790nm			G-25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC-SC/UPC Connector