

1610~1790nm 2x2 PBC/PBS for Pulse Power

FEATURES

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

APPLICATIONS

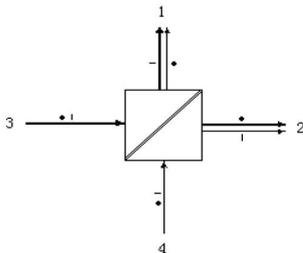
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

SPECIFICATIONS

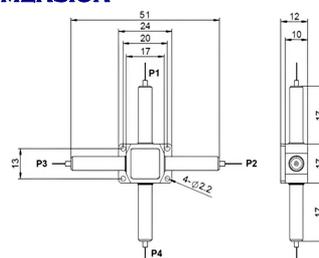
Parameter	Unit	Value
Center Wavelength	nm	1625, 1650, 1700, 1730, 1750, 1790
Bandwidth	nm	+/-10
Insertion Loss (Port 3 to Port 1/2 at Slow Axis, (Typ.)	dB	1.0
Port 4 to Port 1/2 at Fast Axis) (Max.)	dB	1.5
Optical Return Loss	dB	≥45
Extinction Ratio (for FPDS) (Typ.)	dB	22
(Min.)	dB	18
Fiber Type of Port 1 & Port 2	-	PM1550 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	-
		Corresponding SM Fiber
Fiber Tensile Load	N	5
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
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 0.3dB 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	PNN	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	
	1625-1625nm	S-S Type	S-S Type	03-300mW	01-100W	2-PM1550Fiber	B= Bare fiber	05-0.5m	N=Without Connector	
	1700-1700nm	P-P Type	P-P Type	1- 1W	1- 1kW	E=10/125 PMSC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
	1730-1730nm	Q-Q Type	Q-Q Type	5- 5W	5- 5kW	T=12/130 PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
	1790-1790nm			10-10W	10-10kW	G=25/300 PMDC Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	