

1020~1150nm 2x2 High Power PBC/PBS

FEATURES

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

APPLICATIONS

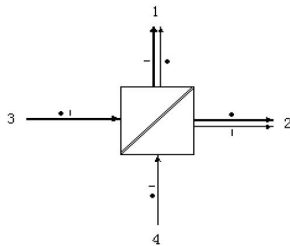
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

SPECIFICATIONS

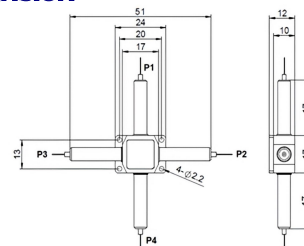
Parameter	Unit	Value	
Center Wavelength	nm	1020, 1030, 1040, 1053 1064, 1070, 1080	1092, 1103 1120, 1150
Bandwidth	nm	+/-20	+/-10
Insertion Loss (Port 3 to Port 1/2 at Slow Axis, Port 4 to Port 1/2 at Fast Axis)	(Typ.)	dB	0.8
	(Max.)	dB	1.2
Optical Return Loss	dB	≥45	
Extinction Ratio (for FPDS)	(Typ.)	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. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100	
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	-	HP NN	-	C	-	C	NN	-	CC/CCC
	Center Wavelength		3rd Port Fiber		4th Port Fiber		Optical Power		Fiber Type		Fiber Sleeve		Fiber Length	Connector Type
	1030-1030nm		S-S Type		S-S Type		1-1W		2-PM980Fiber		B- Bare fiber		05-0.5m	N-Without Connector
	1064-1064nm		P-P Type		P-P Type		5-5W		E-PM1060L Fiber		L- Loose Tube		10-1.0m	FC/APC=FC/APC Connector
	1092-1092nm		Q-Q Type		Q-Q Type		10-10W		Q-20/130 PMDC Fiber		2- 2mm Cable		15-1.5m	LC/PC=LC/PC Connector
	1120-1120nm						20-20W		R-25/250 PMDC Fiber		3- 3mm Cable		20-2.0m	SC/UPC=SC/UPC Connector