

1610~1790nm 2x2 High Power PBS/PBS

FEATURES

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

APPLICATIONS

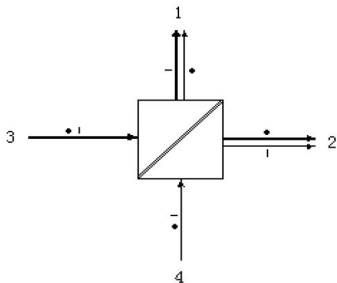
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

SPECIFICATIONS

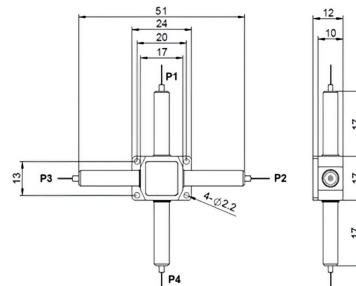
Parameter	Unit	Value	
Center Wavelength	nm	1625, 1650, 1700, 1730, 1750, 1790	
Bandwidth	nm	+/-10	
Insertion Loss (Port 3 to Port 1/2 at Slow Axis, (Typ.)	dB	1.0	
Port 4 to Port 1/2 at Fast Axis) (Max.)	dB	1.5	
Optical Return Loss	dB	≥45	
Extinction Ratio (for FPDS)	(Typ.)	22	
	(Min.)	18	
Fiber Type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