

2x2 Polarization Beam Combiner/Splitter

FEATURES

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

APPLICATIONS

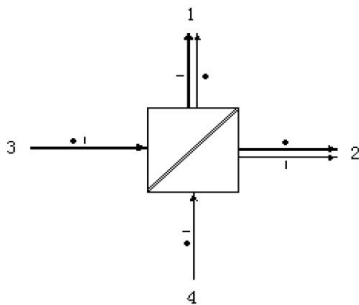
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

SPECIFICATIONS

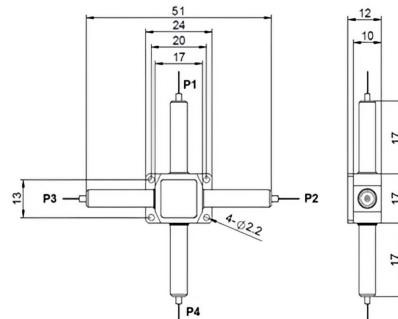
Parameter	Unit	Value
Center Wavelength	nm	1310, 1480, 1550, 1590
Bandwidth	nm	+/-20
Insertion Loss (Port 3 to Port 1/2 at Slow Axis, Port 4 to Port 1/2 at Fast Axis)	(Typ.)	0.8
	(Max.)	1.2
Optical Return Loss	dB	≥45
Extinction Ratio (for FPDS)	(Typ.)	22
	(Min.)	20
Fiber Type of Port 1 & Port 2	-	PM1310/1550 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)	mW	300
Operating Temperature	°C	0~70
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.
 - 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 <small>Center Wavelength</small>	C <small>3rd Port Fiber</small>	C <small>4th Port Fiber</small>	C <small>Fiber Type</small>	C <small>Fiber Sleeve</small>	NN <small>Fiber Length</small>	CC/CCC <small>Connector Type</small>
	1310=1310nm	S=S Type	S=S Type	2=PM1310/1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	1480=1480nm	P=P Type	P=P Type	E=10/125 PMSC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	1550=1550nm	Q=Q Type	Q=Q Type	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	1590=1590nm			G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector