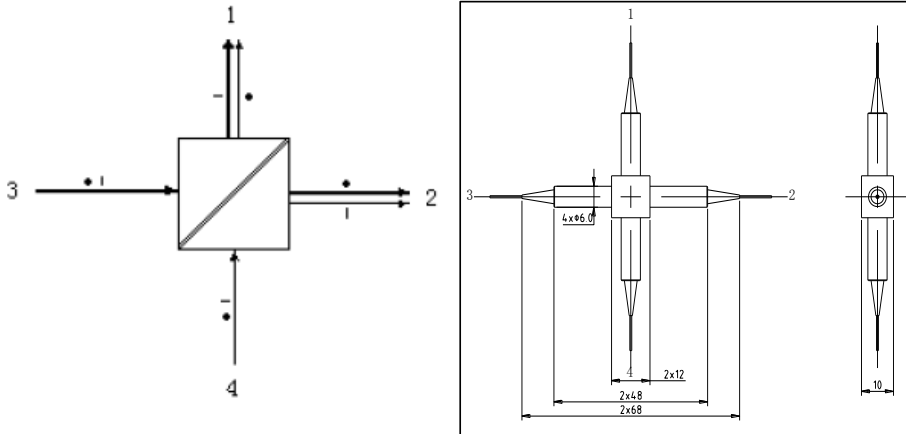


2x2 Polarization Beam Combiner/Splitter 1310 1550 nm

The 2x2 1550 nm Polarization Beam Combiner/Splitter is a micro-optic component designed to combine two orthogonal polarization signals into one or two output fibers. It's widely used in polarization mode dispersion compensator, EDFA, Raman Amplifier, and coherent telecommunication. High Power handling is available upon request.



Features

- Low Insertion Loss
- High Extinction Ratio
- High Reliability & Stability
- High Power available on request

Applications

- EDFA & Raman Amplifier
- Fiber Sensor
- Combine or Split Orthogonal Polarizations
- Test & Measurement

Performance Specification

Parameter	Value	Unit
Center Wavelength	1310, 1480, 1550 or customized	nm
Bandwidth	±20	nm
Configuration	2X2	
Insertion Loss	P3→P1 & P3→P2 @ slow axis	Typ. 0.8 (Max. 1.0)
	P4→P1 & P4→P2 @ fast axis	
Min. Extinction Ratio (for splitter only)	16	dB
Min. Directivity	50	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	300 (higher up to 10W is available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	PM Panda Fiber on Port 1 & Port 2	
	PM Panda Fiber or SMF-28e Fiber on Port 3 & Port 4	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension		mm

Note

- * For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.
- * The PM fiber and the connector key are aligned to the slow axis.
- * For high power applications, please contact us to confirm details.

Ordering Information

DPBCS-AAAA-BB-C-DD-EE

AAAA	BB	C	DD	EE
Wavelength	Fiber Type for Port 3 & 4	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	SM - SMF-28 Fiber (standard)	B - 250um Bare	05 - 0.5m	NE - None
1480 - 1480nm	P1 - PM Panda Fiber, Slow Axis Aligned 45° to Port 1	Fiber	08 - 0.8m	FA - FC/APC
1550 - 1550nm	P2 - PM Panda Fiber, Slow Axis Aligned to Port 1	L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
SSSS - Specify	P2 - PM Panda Fiber, Slow Axis Aligned to Port 1		15 - 1.5m	SA - SC/APC
	SS - Specify		SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify