

2x2 Polarization Beam Combiner/Splitter

The Dual Polarization Beam Combiner/Splitter, 2x2 PBC/S, is a compact high performance lightwave component that combines or divides two orthogonal polarization signals into one or two output fibers. The most common applications are in polarization mode dispersion compensator, EDFA, Raman Amplifier, coherent telecommunication systems and fiber optic sensor. It is characterized with high extinction ratio, low insertion loss and high directivity.

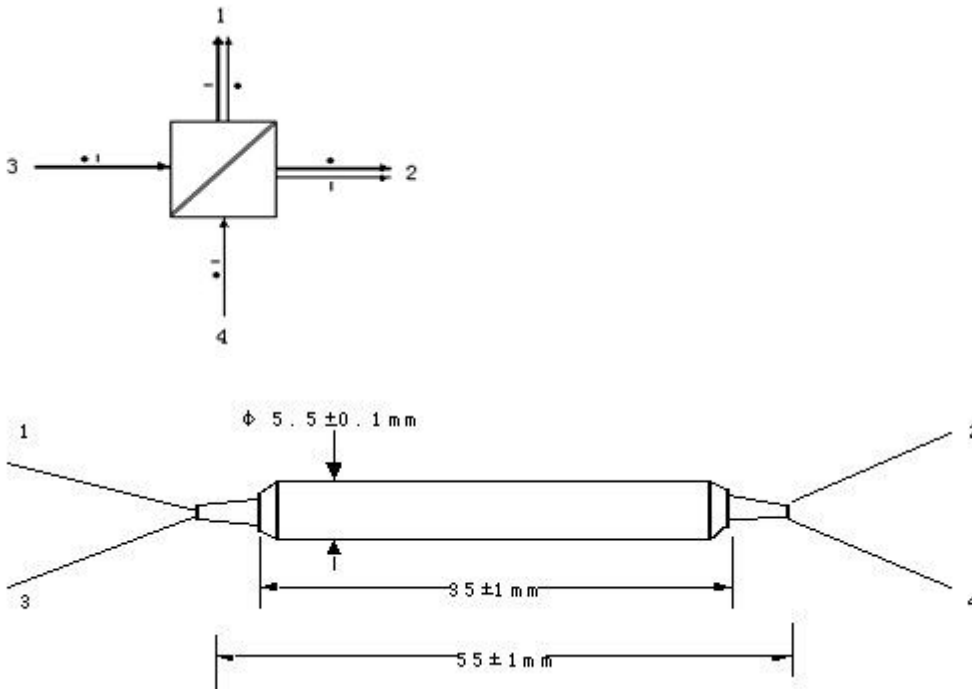
Specifications

Parameter	Value
Center Wavelength	1310, 1480 or 1550 nm
Operating Wavelength Range	± 40nm
Typ. Insertion loss(port 3 to port 1/2, at slow axis; port 4 to port 1/2, at fast axis)	0.8dB
Max. Insertion loss(port 3 to port 1/2, at slow axis; port 4 to port 1/2, at fast axis)	1.0dB
Min. Extinction Ratio (for splitter only)	18dB
Return loss	50dB
Max. Optical Power	500mW
Fiber	PM Panda Fiber on Port 1 & 2, SMF-28 or PM Panda Fiber on Port 3 & 4
Max. Tensile Load	5N
Operating Temperature	-5 to + 70°C
Storage Temperature	-40 to +85°C

Above specification are for device without connector.

For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

Imagine



Ordering Information

DPBC DPBS	Wavelength	Fiber Type at Port 1&2	Fiber Type at Port 3&4	Fiber Length	Connector
	13=1310nm 14=1480nm 15=1550nm 98=980nm	B- 250 um panda fiber D- 400um panda fiber L- 900um loose tube	1 - SMF-28 (Standard) 2 - Slow axis align 45° to port 1 3 - Slow axis align to port 1 S - Specify	1=1.0m 2=2.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC

		panda fiber			ST=ST/PC LA=LC/APC LC=LC/PC XX=others
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If port 3 is SMF-28 fiber, 250um bare fiber will be used when 250um or 400um Panda Fiber is selected for port 1&2