


2x2 Polarization Beam Combiner /Splitter (PBS/PBC)

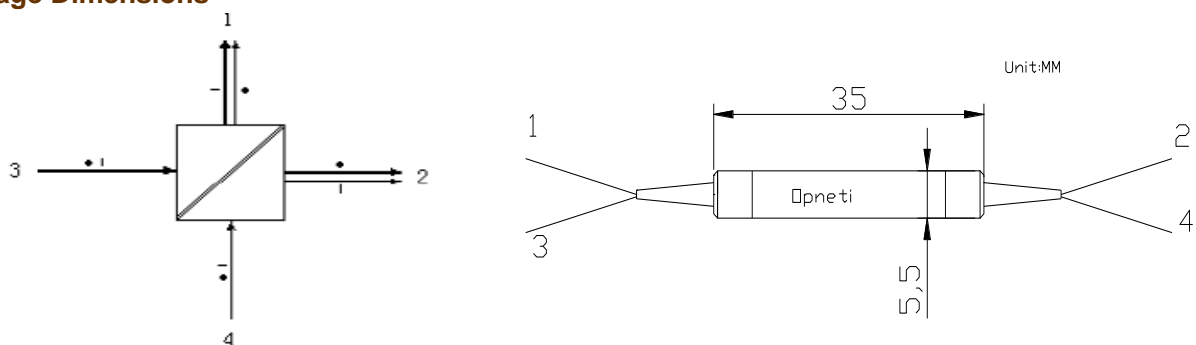
Features	
Low Insertion Loss High Extinction Ratio Wide Operating Wavelength High stability and reliability	
Application	
EDFA & Raman Amplifier Fiber sensor Coherent Telecommunication Systems Polarization Mode Dispersion Compensator	

Specifications

Parameter	P	A	P	A
Wavelength (nm)	1310, 1480, 1550		1064	
Operating Bandwidth (nm)	±40		±20	
Insertion Loss (Port 3 to Port 1 & 2, at slow axis, Port 4 to Port 1 & 2, at fast axis) (dB)	≤1.0	≤1.2	≤1.2	≤1.4
Extinction Ratio (for splitter) (dB)	≥20	≥18	≥20	≥18
Return Loss (dB)	≥50			
Power Handling (mW)	≤300			
Fiber Type	Port 1 & 2	Panda Fiber		
	Port 3 & 4	SMF-28 or HI1060 or Panda fiber		
Fiber Length (m)	0.8			
Operating Temperature (°C)	-5~+70			
Storage Temperature (°C)	-40 ~ +80			
Dimensions (mm)	φ5.5×L35			

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PBS PBC	Port	Grade	Wavelength	Pigtail Type	Fiber Type for Port 3 & 4	Length	Connector
	2x2	P A	1064 1310 1480 1550	250=250um bare fiber 900=900um loose tube	1=SMF-28e 2=HI1060 3=PMF, Slow axis align to Port 1 4=PMF, Slow axis align 45° to port 1	0.8= 0.8m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other