

1x2 Polarization Beam Combiner/Splitter

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Reliability
- High Stability

Applications

- Fiber Optical Current Transducer
- Fiber Sensor
- Optical Fiber Gyro
- Coherent Telecommunication Systems

Specifications

Parameters		Unit	Values			
Grade		-	P	A	P	A
Center Wavelength		nm	1310,1550		1064,980	
Operating Wavelength Range		nm	±40		±20	
Typ. Insertion Loss at 23°C		dB	0.4	0.5	0.6	0.7
Max. Insertion Loss at 23°C		dB	0.6	0.7	0.8	0.9
Min. Extinction Ratio at 23°C		dB	22	20	22	20
Directivity		dB	50			
Min. Return Loss		dB	50			
Max. Optical Power(CW)		mW	300			
Max. Tensile Load		N	5			
Fiber Type	Port 1 & 2	-	PM Panda fiber			
	Port 3		SMF-28E, Hi1060 or PM Panda fiber			
Operating temperature		°C	-5~+70			
Storage temperature		°C	-40~+85			

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

PBC/S-1111-23456-777

1111	-Center Wavelength:	1550=1550nm,1310=1310nm,.....,850=850nm
2	-Grade:	P=Perfect grade, A=A grade
3	-Fiber Type for Port 3:	1=SMF-28E, 2=Hi1060, 3=Slow axis aligned to Port1, 4=Slow axis 45°aligned to Port1
4	-Fiber Type for Port 1,2:	1=PM Panda fiber, 2=SMF-28E, 3=Hi1060, S=Specified
5	-Pigtail Type:	0=250µm bare fiber, 1=900µm loose tube
6	-Fiber Length:	0=0.8m,1=1m
777	-Connector Type:	0=FC/UPC,1=FC/APC,2=SC/UPC,3=SC/APC,4=LC/UPC,5=LC/APC