

# Polarization Beam Splitter (1310nm,1550nm,1064nm,980nm)

Relificer

#### 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

## Package Dimensions



#### Routing path is from port 3 to 1,2, Here are three options of polarized state from Port 3 to Port 1 & 2;



Address: 2F,DF Industrial Park,Shanghenglang Community,Dalang,Longhua New District,Shenzhen,P.R.C.518109.www.bonaphotonics.comsales@bonaphotonics.comTel:+0755-21035679



## Specifications

Parameter		Unit	Value				
Grade		-	Р	А	Р	А	
Center Wavelength		nm	1310,1550 10		1064	64,980	
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	
Min. Directivity		dB	50				
Min. Return Loss		dB	50				
Max. Optical Power(CW)		mW	300				
Max. Tensile Load		Ν	5				
Fiber Type	Port 1 & 2	_	PM Panda fiber SMF-28E, Hi1060 or PM Panda fiber				
	Port 3						
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.

## Ordering Information

### PBS-1111-23-444-555-678-999

2	-Grade:	P=Perfect grade, A=A grade
3	-Option for Port 3 to 1,2:	1=Option 1, 2=Option 2, 3=Option 3
444	-Fiber Type for Port 3:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
555	-Fiber Type for Port 1.2:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
6	-Package Dimension:	0=φ5.5x35mm, 1=φ5.5x50mm, S=Specified
7	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
8	-Fiber Length:	0=0.8m,1=1m
999	-Connector for Port 1,2,3:	0=FC/UPC,1=FC/APC,2=SC/UPC,3=SC/APC,4=LC/UPC,5=LC/APC, N=None

Address: 2F,DF Industrial Park,Shanghenglang Community,Dalang,Longhua New District,Shenzhen,P.R.C.518109.www.bonaphotonics.comsales@bonaphotonics.comTel:+0755-21035679