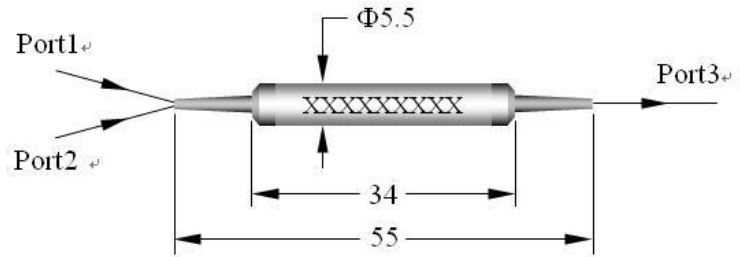


## Polarization Beam Combiner/Splitter 1310&1550nm

### 1. Features:

- Low insertion loss
- High extinction ratio
- High Return Loss
- Excellent environmental stability and reliability



### 2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

**4. Specifications:**

Parameter \ Type	Type	Unit	Values	
Grade			Grade P	Grade A
Center Wavelength		nm	1310,1480 or 1550	
Operating Wavelength Range		nm	±40	
Typ. Insertion loss		dB	0.35	0.45
Insertion loss		dB	0.5	≤0.6
Return Loss		dB	≥50	
Extinction Ratio (for Splitter only)		dB	≥22	≥20
Directivity		dB	≥50	
Power Handling		mW	≤500	
Tensile Load		N	≤5	
Fiber Type (Port1&2)		/	SM13-PS-U25A or SM15-PS-U25A	
Fiber Type (Port3)		/	See ordering information	
Operating Temperature		°C	-5 to +70	
Storage Temperature		°C	-40 to +85	

\*The specifications are w/o connector.

\* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

\* For device with connector, key aligned to slow axis.

**5. Product Ordering information:**

PBC&S	X	X X	X	X	XX	X	XX	XX
Product Description	Grade	Operating Wavelength	Pigtail Type	Fiber Type on Port3	Port1&2 Connector Type	Port3 Connector Type	Package Size	Fiber Length
P=Polarization	P	06=1064nm	0=250um	1=SMF-28e	0=None	0=None	34=5.5×34	05=0.5m
B=Beam	A= A	13=1310nm	1=900um	2=Slow axis align to port1	1=FC/UFC	1=FC/UFC	35=5.5×35	08=0.8m
C=Combiner		15=1550nm		3= Slow axis align 45°to port1	2=FC/APC	2=FC/APC	38=5.5×38	10=1.0m
S=Splitter					3=SC/UPC	3=SC/UPC		12=1.2m
					4=SC/APC	4=SC/APC		

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