

## 1064 nm Polarization Beam Combiner / Splitter

Model #: PBC (PBS)

Description: 1064 nm Polarization Beam Combiner or Splitter

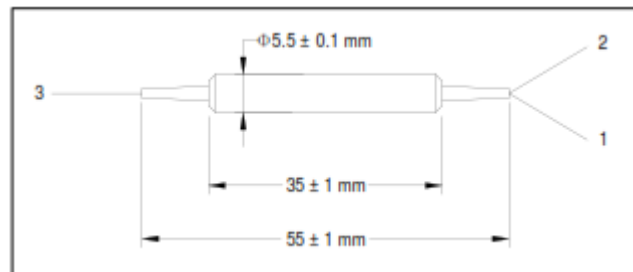
Application: Fiber amplifier, fiber laser, fiber sensor, polarization mode dispersion compensator

**Specifications:**

Parameter	Unit	Specifications	
		P Grade	A Grade
Central Wavelength	nm	1064 ± 20	
Maximum Insertion Loss, 23 °C	dB	0.8	0.9
Typ. Insertion Loss, 23 °C	dB	0.6	0.7
Min. Polarization Extinction Ratio (splitter only)	dB	22	20
Min. Return Loss	dB	50	
Min. Directivity	dB	50	
Max. Optical Power (CW)	mW	500	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to + 85	
Dimension	mm	5 (D) x 35 (L)	
Max. Tensile Load	N	5	
Fiber Type		HI1060 OR PM980 Panda fiber for Port 3	
		PM980 Panda fiber for Port 1 & 2	

\* Customized ratios are acceptable;

Note: each connector may contribute extra 0.5 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.


**Ordering Information:**
**Beam Combiner PBC-AA-B-C-D-E-F**
**Beam Splitter PBS-AA-B-C-D-E-F**

AA: wavelength	B: Grade	C: connector type	D: fiber jacket	E: fiber type of Port 3	F: fiber length
06 – 1064 nm	P – P grade	1 - FC/UPC	B - 250µm Panda fiber	1 – HI 1060 fiber	Q-0.75m
XX - other	A – A grade	2 - FC/APC	L - 900 µm loss tube	2 – slow axis aligned 45° to Port 1	X-other
		3 - SC/UPC	X - other	3 - slow axis aligned to Port 1	
		4 - SC/APC		X - other	
		N - none			
		X - other			