

Polarization Beam Combiner/Splitter

Features

Low insertion loss
High extinction ratio
High stability & Reliability

Applications

Fiber Amplifier
Fiber sensor
Fiber Laser Marking
Laboratory R&D

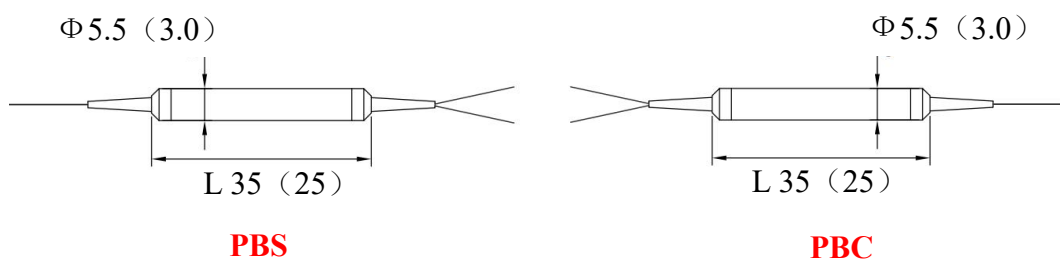
Parameter	Polarization Beam Combiner/Splitter			Unit
Center wavelength	820/850/880			nm
Operating bandwidth	±20			nm
Insertion loss	PBC (2x1)	PBS (1x2)		Working axis type
	0, 1, 2	1	0&2	
	≤1.2	≤1.2	≤4.2	dB
Extinction ratio	≥22(for PBS)			dB
Return loss	≥50			dB
Directivity	≥50			dB
Handling power	≤300			mW
Fiber type	Port 1& 2: PM Panda Fiber, Port 3: PM Panda Fiber or SM Fiber			/
Operating temperature	-5~+70			°C
Storage temperature	-40~+85			°C
Dimensions	Φ5.5×L35 or Φ3.0×L25			mm

* For PBS with working axis type 0, Insertion loss is for un-polarized light input;

* For PBS with working axis type 2, Insertion loss is for polarized light input.

* IL is 0.80dB (780~850) higher, RL is 5dB lower and ER is 3dB (780~850nm) lower for each connector added. The default connector key is aligned to slow axis.

Mechanical Dimension



Ordering Information

specification	GCPBC/PBS
Port Number	1×2(For PBS) or 2×1(For PBC)
Operating Wavelength	820 nm etc
Fiber Code	Specify
Pigtail Type	0=250μm;1=900μm;4=others
Working axis Type	0=port3 SM fiber; 1=port3 PM fiber and slow axis aligned to port1, 2= port 3 PM fiber and slow axis align 45to port1, 4=others
Package	5.5× 35 etc
Connector	FC/UPC,FC/APC etc