

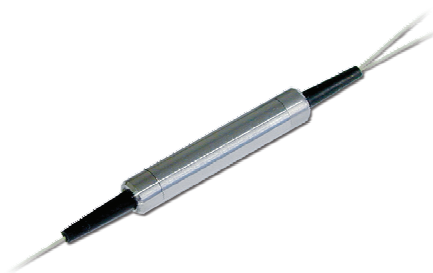
# Polarization Beam Combiner (PBC)

## Features:

- Low Insertion Loss
- Epoxy-Free in Optical Path
- High Extinction Ratio
- High Power Handling
- RoHS Compliant

## Applications:

- EDFA
- Raman Amplifier



## Specifications<sup>1</sup>:

Parameter	Unit	Grade "A"
Central Wavelength ( $\lambda_c$ )	nm	1460, 1480, 1550
Bandwidth	nm	+/- 30
Insertion Loss	Max. dB	0.45
Extinction Ratio	Min. dB	20
Fiber Type	Output Port Input Ports	Corning SMF-28e+ Panda 400 $\mu$ m buffer PM fiber
Fiber Length	Min. m	1.0
Power Handling	Max. mW	500
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	mm	( $\phi$ )5.5×(L)30

1. Values referenced without connectors.

### Dimension:

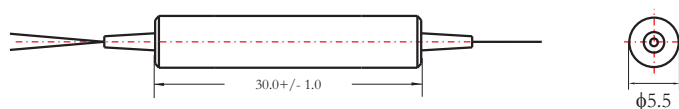


Figure 1. Polarization Beam Combiner

### Order Information:

KPBC -  $\frac{X}{A}$  -  $\frac{XXXX}{B}$  -  $\frac{XXXX}{C}$  -  $\frac{XX}{D}$

A	Grade	A=Grade "A"
B	Central Wavelength	1460=1460nm 1480=1480nm 1550=1550nm
C	Fiber Type	250S=250μm bare fiber 900L=900μm loose tube
D	Connector	NN=W/O connector XY=With connector <sup>1</sup>

1. Please specify the type of connector when ordering if connector is required.

Mechanical Type	SC	FC
X	1	2
Physical Contact Type	PC	UPC
Y	1	2