



# 980nm Polarization Beam Combiner/Splitter

## PERFORMANCE SPECIFICATIONS

Parameter	P Grade	Specifications	A Grade
Channel Wavelength		980nm	
Operating Wavelength Range		$\pm 30\text{nm}$	
Insertion Loss (Typ.)	1.0dB		1.2B
Insertion Loss (Max.)	1.5dB		1.8dB
Extinction Ratio (for splitter only) (Min.)	16dB		15dB
Return Loss		$\geq 50\text{dB}$	
Direction of Incident Polarization		Slow Axis	
Optical Power		$\leq 500\text{mW}$	
Tensile Load (Max.)		5N	
Operating Temperature		-5 to +70°C	
Storage Temperature		-40 to +85°C	
Fiber Type	PM on port1 and 2, HI 1060 or PM on port3		
Package Dimensions	$\varnothing 5.5 \times L35\text{mm}$ (L40mm for 900um loose tube)		

## FEATURES

Low Insertion Loss  
High Extinction Ratio  
Compact In-Line Package  
High Stability and Reliability  
Epoxy Free Optical Path

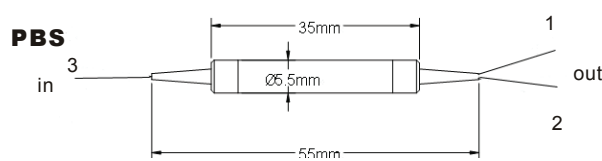
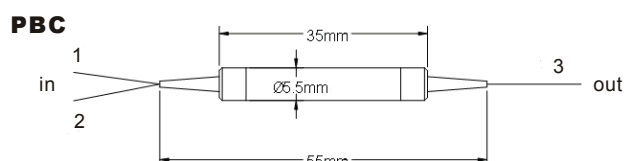
## APPLICATION

High Power EDFA  
Raman Amplifier  
Laboratory

### NOTE:

1. The PM fiber and the connector key are aligned to the slow axis.
2. The ER is for fiber  $\leq 0.75$  meter. Increase fiber length can decrease the ER.
3. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower, and extinction loss will be 2dB lower.

## MECHANICAL DIMENSIONS



## ORDERING INFORMATION

Configuration	Center Wavelength	Grade	PM Fiber Option	Pigtail Style	Fiber Length	In/Out Connector
S = Splitter C = Combiner	98 = 980nm	P = P Grade A = A Grade	1 = Port1, Port2 Panda PM Port3 Hi 1060 2 = All Panda PM Fiber	1 = Bare Fiber 2 = 900um Jacket	1 = 0.75m S = Special	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC