Polarization Beam Combiner/Splitter

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

PERFORMANCE SPECIFICATIONS

Parameter	Specifications			
Operating Wavelength	980±30nm		1310±40, 1480±40,1550±40nm	
Grade	P	A	P	A
Typical Insertion Loss	1.0dB	1.2dB	0.40dB	0.50dB
Insertion Loss	≤ 1.5dB	≤ 1.8dB	≤ 0.60dB	≤ 0.70dB
Extinction Ratio	≥ 16dB	≥ 15dB	≥ 20dB	≥ 18dB
Return Loss (In/Out)	≥ 50dB			
Direction of Incident Polarization	Slow Axis			
Optical Power	≤ 500 mW			
Tensile Load	≤ 5N			
Operating Temperature	- 5 to +70°C			
Storage Temperature	- 40 to +85°C			
Fiber Type	PM on port 1 & 2, Hi1060 or PM on port3		PM on port 1 & 2, SMF on port3; PM on all ports; SMF on all ports	
Package Dimensions	A=standard, Ø 5.5 x L34 for 250um fiber Ø 5.5 x L38 for 900um fiber			

Note:

1. The PM fiber and the connector key are aligned to the slow axis.
2. The ER is for fiber ≤ 0.75 meter. Increasing 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.

All values referenced are without connector.

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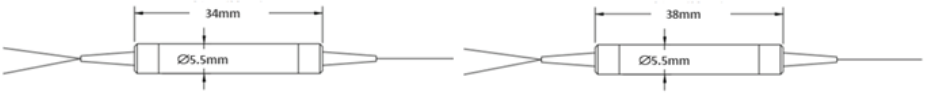
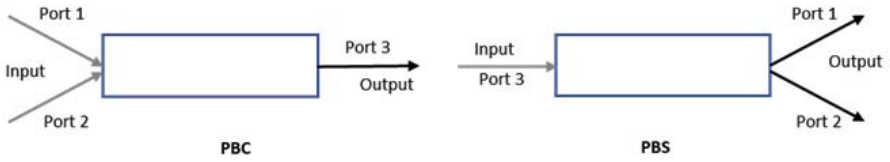
MECHANICAL DIMENSIONS

A Package



PORT CONFIGURATIONS



ORDERING INFORMATION

Type	Grade	Operating Wavelength	Port	Package	Fiber Type	Pigtail Style	Fiber Length	In Connector	Out Connector
PBC=Combiner PBS=Splitter	P=P grade A=A grade	98=980nm 31=1310nm 48=1480nm 55=1550nm	102=1x2	A=A package	1=Port 1 & 2 Panda PM; Port 3 Hi1060 2= Port 1 & 2 Panda PM; Port 3 SMF-28e 3=All Panda PM 4=All SMF-28e 5=Port 1&2 Panda PM; Port 3 SMF-28 Ultra 6=All SMF-28 Ultra	1=Bare fiber 2=900um loose tube	07=0.75m 10=1.0m · · ·	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC