



# Isolator Polarization Beam Combiner/Splitter Hybrid

## PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
	Single	Dual
Stage	Single   Dual	
Operating Wavelength	1310nm, 1480nm or 1550nm	
Operating Wavelength	±15nm	±30nm
Insertion Loss (Typ.)	0.45dB	0.55dB
Insertion Loss	≤ 0.70dB	≤ 0.80dB
Isolation (Typ.)	40dB	51dB
Isolation	≥ 30dB	≥ 42dB
Extinction Ratio	≥ 20 <sup>1)</sup> dB	≥ 18 <sup>1)</sup> dB
Return Loss	≥ 50dB	
Direction of incident polarization	Slow Axis	
Optical Power	≤ 500mW	
Tensile Load	≤ 5N	
PM Fiber Type (1310nm)	PM1310	
PM Fiber Type (1480/1550nm)	PM1550	
Operating Temperature	-5 to +70°C	
Storage Temperature	- 40 to +85°C	
Package Dimensions	A= Standard, Φ5.5xL34mm (250um fiber) Φ5.5xL38mm (900um fiber)	

## 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:

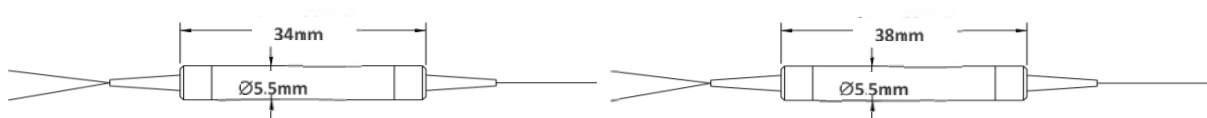
1) For splitter only.

All values referenced are without connector.

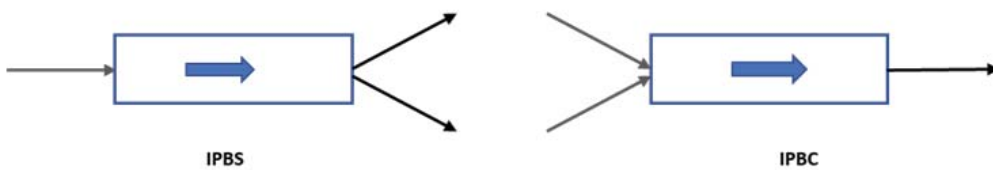
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### MECHANICAL DIMENSIONS

A package:



### PORT CONFIGURATIONS



### ORDERING INFORMATION

Grade	Isolator type	Operating Wavelength	Package	Fiber Type	Pigtail Style	Fiber Length*	In Connector	Out Connector
S=Splitter C=Combiner	P=P Grade D=Dual stage	31=1310nm 48=1480nm 55=1550nm	A= A package	1= Port 1 & 2 Panda PM; Port 3 SMF-28 Ultra 2=All Panda PM	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

\*Other length is available upon request, However, 900µm loose tube is only up to 2m.