Polarization Beam Combiner/Splitter

Features:
Low Insertion Loss
High Extinction Ratio
High Stability and Reliability
Application:
EDFA & Raman Amplifier
Fiber Sensor
Coherent Telecommunication Systems
Polarization Mode Dispersion Compensator

Specifications:

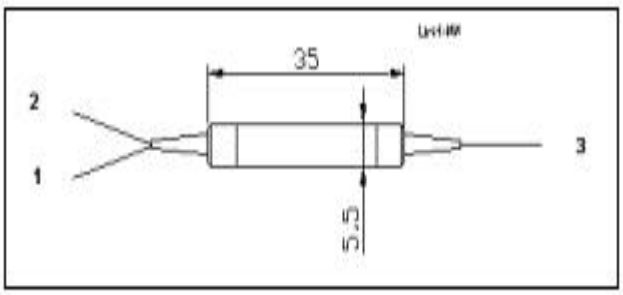
Parameter		Value							
Parameter		P	A	P	A	P	A	P	A
Wavelength (nm)		1310, 1450,1480, 1550,1580		1030,1064		850，980		780	
Operating Bandwidth (nm)		±40		±20		±20		±10	
Typ. Insertion Loss (dB)		0.40	0.50	0.60	0.70	0.70	0.90	1.0	1.1
Insertion Loss (dB)		≤0.60	≤0.70	≤0.80	≤0.90	≤0.90	≤1.1	≤1.2	≤1.3
Extinction Ratio (dB) (Only for PBS)		≥22	≥20	≥22	≥20	≥22	≥20	≥20	≥18
Directivity (dB)		≥50							
Return Loss (dB)		≥50							
Power Handling (mW)		≤300							
Fiber Type	Port 1 & 2	PM 1310&PM1550		PM980		PM 850			
	Port 3	SMF-28e or PM1310&PM1550		HI 1060 or PM 980		HI 780 or PM 850			
Operating Temperature (°C)		-5 ~ +70							
Storage Temperature (°C)		-40 ~ +80							
Dimensions (mm)		φ5.5 × L35 (only for bare fiber or 900um loose tube)							
		L90*W20*H9.5（ABS）(only for 3mm or 2mm cable)							

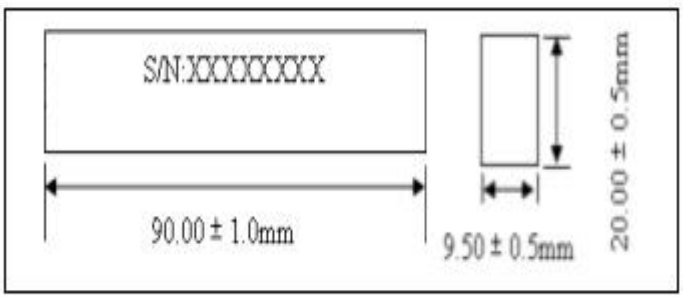
*Above specifications are for device without connector.

*For devices with connector,IL will be 0.3dB higher,ER will be 2dB lower and RL will be 5dB lower.

*The PM fiber and the connector key are aligned to the slow axis.

Package Dimensions:





Ordering Information:

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CAT0206 REV02

PBC PBS	Wavelength	Grade	00	Fiber Type for Port 3	Package	Pigtail Type	Length	Connector
PBC PBS	0780=780nm 0850=850nm 0980=980nm 1030=1030nm 1064=1064nm 1310=1310nm 1450=1450nm 1480=1480nm 1550=1550nm	P=P grade A=A grade		1=SMF-28e 2=HI 1060 3=PM Fiber, Slow Axis Align to Port 1 4=PM Fiber, Slow Axis Align 45° to Port 1 5=HI780	0=φ5.5×L35 mm 1=90*20*9.5 mm 2=Glass tube S=Specify	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube S=Specify	H=0.5m 8=0.8m 1=1.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 6=LC/UPC 7=LC/APC S=Specify