

Isolator Polarization Beam Combiner/Splitter

Features:

Low Insertion Loss
 High Extinction Ratio
 High Stability and Reliability

Application:

Amplifier
 Fiber Sensor
 Coherent Telecommunication Systems
 Polarization Mode Dispersion Compensator

Specifications:

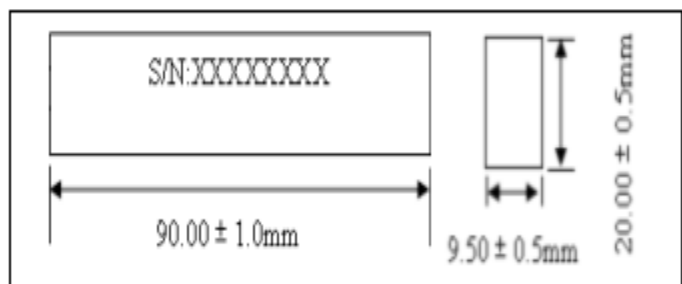
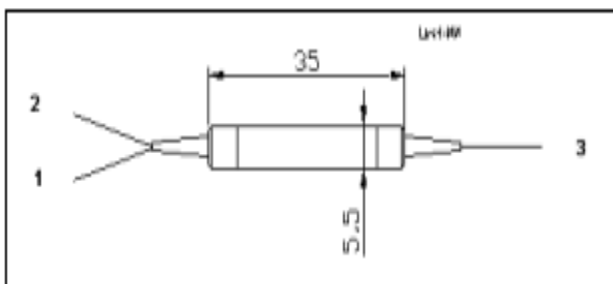
Parameter		Values		
		Single Stage		Dual Stage
Isolator Stage				
Center Wavelength (nm)		1310,1450,1480,1550	1064	1310,1450,1480,1550
Operating Wavelength Range (nm)		±20	±5	±20
Typ. Insertion Loss (dB)		0.45	1.8	0.55
Insertion Loss (dB)		≤0.7	≤2.1	≤0.8
Typ. Isolation (dB)		35	35	55
Isolation @23°C (dB)		≥20	≥25	≥40
Extinction Ratio (dB) (Only for PBS)		≥20		
Directivity (dB)		≥50		
Return Loss (dB)		≥50		
Power Handling (mW)		≤500	≤300	≤500
Fiber Type	Port 1 & 2	PM Panda Fiber	PM Panda Fiber	PM Panda Fiber
	Port 3	SMF-28e or PM Panda Fiber	HI 1060 or PM Panda Fiber	SMF-28e or PM Panda Fiber
Operating Temperature (°C)		-5 ~ +70	-5 ~ +50	-5 ~ +70
Storage Temperature (°C)		-40 ~ +80		
Dimensions (mm)		φ5.5 × L35(P1) (only for bare fiber or 900um loose tube)		
		L90*W20*H9.5 (ABS) (P2) (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:

IPBC IPBS	Wavelength	Isolator type	0	Fiber for Port 3	Package	Pigtail Type	Length	Connector
	1064=1064nm 1310=1310nm 1480=1480nm 1550=1550nm	S=Single stage D=Dual stage		1=SMF-28e 2=PM Fiber, Slow Axis Align to Port 1 3=PM Fiber, Slow Axis Align 45° to Port	0=φ5.5×L35mm 1=90*20*9.5mm 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 5=1.5m 2=2.0m 3=3.0m 4=4.0m A=2.5m B=5.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/UPC 7=LC/APC S=Specify