


Isolator Polarization Beam Combiner/Splitter(IPBC/IPBS)

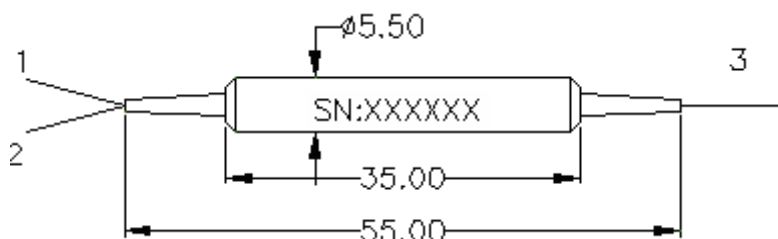
Features	
Low Insertion Loss High Extinction Ratio High Stability and Reliability	
Application	
Amplifier Fiber Sensor Coherent Telecommunication Systems Polarization Mode Dispersion Compensator	

Specifications

Parameter	Values		
Isolator Stage	Single Stage	Dual Stage	Single Stage
Center Wavelength (nm)	1310,1450,1480,1550		1064
Operating Wavelength Range (nm)	±20		±5
Typ. Insertion Loss (dB)	0.45	0.55	1.8
Insertion Loss (dB)	≤0.7	≤0.8	≤2.1
Typ. Isolation (dB)	35	51	35
Isolation @23°C (dB)	≥20	≥40	25
Extinction Ratio (dB) (Only for PBS)	≥20	≥20	≥20
Directivity (dB)	≥50		
Return Loss (dB)	≥50		
Power Handling (mW, CW)	≤500		≤300
Fiber Type	Port 1 & 2	PM Panda Fiber	
	Port 3	SMF Fiber or PM Panda Fiber	
Operating Temperature (°C)	-5 ~ +70		
Storage Temperature (°C)	-40 ~ +80		
Dimensions (mm)	φ5.5 × L35(P1)		

*Above Specifications are for device without connectors, for devices with connectors. The PM fiber and the connector key are aligned to slow axis.

Package Dimensions



Ordering Information

IPBS IPBC	Port	Wavelength	Stage	Pigtail Type	Fiber Type For Port 3	Length	Connector
	1x2	1310 1480 1550 1064	S=Single Stage D=Dual stage	0=250um bare fiber 1=900um loose tube	1=SMF fiber (HI1060 or SMF-28e) 3= PM fiber,Slow axis align to Port 1 4=PM fiber, Slow axis align 45° to port 1	0.8= 0.8m 1=1m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other