Isolator Polarization Beam Combiner/Splitter(IPBC/IPBS)

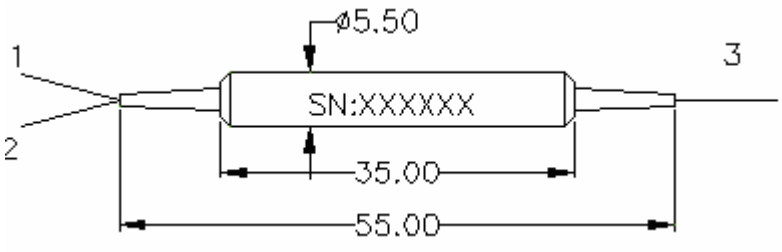
Features
Low Insertion Loss High Extinction Ratio High Stability and Reliability
Application
Amplifier Fiber Sensor Coherent Telecommunication Systems Polarization Mode Dispersion Compensator

Specifications

Parameter		Values	
Isolator Stage		Single Stage	Dual Stage
Center Wavelength (nm)		1310,1480,1550	
Operating Wavelength Range (nm)		±20	
Typ. Insertion Loss (dB)		0.45	0.55
Insertion Loss (dB)		≤0.7	≤0.8
Typ. Isolation (dB)		35	51
Isolation @23℃ (dB)		≥20	≥40
Extinction Ratio (dB) (Only for PBS)		≥20	≥20
Directivity (dB)		≥50	
Return Loss (dB)		≥50	
Power Handling (W)		500	
Fiber Type	Port 1 & 2	PM Panda Fiber	
	Port 3	SMF-28e 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	S=Single Stage	250=250um bare fiber 900=900um loose tube	1=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

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