

1064nm 1310nm 1480nm 1550nm 1940nm 2000nm
Isolator + Polarization Beam Splitter / Combiner

Features <ul style="list-style-type: none"> ● Low Insertion Loss ● High Return Loss ● High Extinction Ratio 	Applications <ul style="list-style-type: none"> ● Polarization Mode Dispersion Compensator ● Optic sensor system ● Coherent Telecommunication Systems
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Specifications

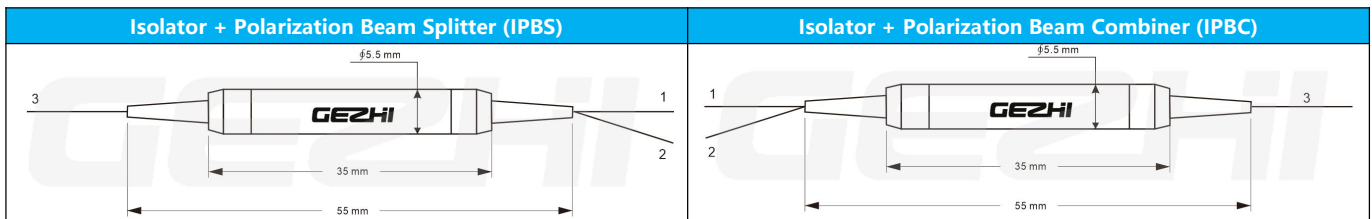
Parameters	Unit	Values				
		Single Stage	Single Stage	Dual Stage	Single	Dual Stage
Stage	/	Single Stage	Single Stage	Dual Stage	Single	Dual Stage
Operating Wavelength	nm	1064	1310, 1480, 1550		1940, 2000	
Wavelength Bandwidth	nm	±5	±40		±40	
Insertion Loss	dB	≤2.1	≤0.9	≤1.0	≤1.3	≤1.5
Typ. Peak Isolation at 23°C	dB	≥35	≥35	≥55	≥20	≥40
Min. Isolation at 23°C (P3→P1 & P2)	dB	≥28	≥28	≥42	≥16	≥35
Extinction Ratio	dB	≥20	≥20	≥20	≥20	≥20
Fiber Type (Port 1 & 2)	/	PM Panda Fiber				
Fiber Type (Port 3)	/	SM Fiber or PM Panda Fiber				
Max Power Handling (CW)	mW	300				
Return Loss	dB	≥50				
Directivity	dB	≥50				
Tensile Load	N	≤5				
Operating Temperature	°C	-5~+70				
Storage Temperature	°C	-40~+85				
Package Dimension	mm	Ø5.5 x 35				

Note:

1. Above specifications are for device without connector, If with connector, IL will be 0.3dB higher, return loss will be reduce 5dB and Extinction Ratio will reduce 2dB.

2. If there is pulse application, please be sure to inform us of pulse energy and peak power.

Dimensions



Ordering Information IPBS-XXXX-X-XXX-X-XX-XX-XX / IPBC-XXXX-X-XXX-X-XX-XX-XX

①Wavelength:	1064; 1310; 1480; 1550; 1940; 2000nm; S=Specify
②Stage:	S=Single stage; D=Dual Stage
③Fiber Type Option:	1=SM->PM; 2=PM->PM, Port 3 is slow axis 0° aligned to Port 1; 3=PM->PM, Port 3 is slow axis 45° aligned to Port 1
Fiber Type (Port 3):	1060-XP; PM980; SMF-28E; PM1300; PM1550; SM1950; PM1950; S=Specify
④Fiber Type (Port1 & Port 2) :	1060-XP; PM980; SMF-28E; PM1300; PM1550; SM1950; PM1950; S=Specify
⑤Package Dimensions:	S1=5.5x35mm; S=Specify
⑥Pigtail Type:	00=bare fiber; 09=900um loose tube
⑦Fiber Length:	08=0.8m; 10=1m; S=Specify
⑧Connector Type (Input):	FA=FC/APC; FP=FC/UPC; SA=SC/APC; SP=SC/UPC; S=Specify