



1064 nm Isolator Polarization Beam Combiner/Splitter (IPBC/IPBS Series)

Rev 11

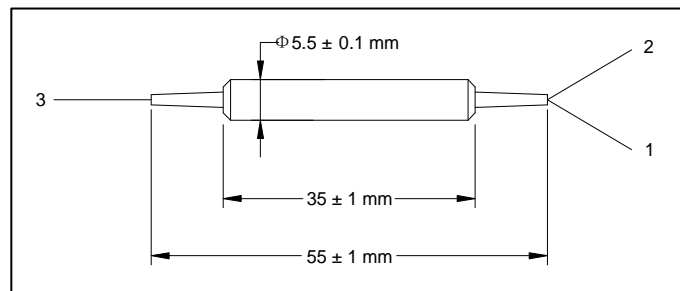
The 1064 nm Isolator Polarization Beam Combiner/Splitter is a compact device which provides both polarization beam combining and optical isolation function in one integrated device. The most common application is to combine the light of two pump lasers into a single fiber to double the pump power.

Specifications

Parameter	Unit	Single Stage
Center Wavelength (λ_c)	nm	1064
Typ. Insertion Loss, 23 °C	dB	1.8
Max. Insertion Loss, 23 °C	dB	2.1
Typ. Isolation, 23 °C	dB	35
Min. Isolation, 23 °C	dB	25
Min. Extinction Ratio (for splitter only)	dB	20
Min. Return Loss	dB	50
Min. Directivity	dB	50
Max. Optical Power (Continuous Wave)	mW	300
Fiber Type		PM 980 Panda fiber for Ports 1 & 2 HI 1060 or PM Panda fiber for Port 3
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-40 to +85

*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

IPBS-①①-②-③-④-⑤

IPBC-①①-②-③-④-⑤

①①: Wavelength

06 - 1064 nm

SS - Specify

⑤: Fiber Length

Q - 0.75 m

S - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Jacket

B - 250 μ m bare fiber

L - 900 μ m loose tube

S - Specify

④: Fiber Type for Port 3

1 - HI 1060 fiber

2 - Slow axis aligned 45° to Port 1

3 - Slow axis aligned to Port 1

S - Specify