

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

Specifications

Rev 11A

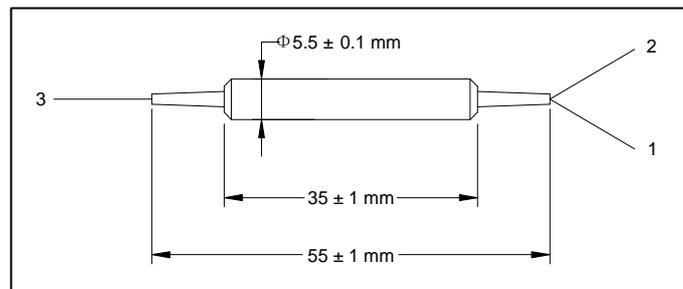
The 1064 nm Isolator Polarization Beam Combiner/Splitter is a compact device which provides both polarization beam combining and optical isolation function in one integrated device. The most common application is to combine the light of two pump lasers into a single fiber to double the pump power.

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		- 5 to + 50
Storage Temperature		- 40 to + 85

¹IL 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

Port 1

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

3 - Slow Axis Aligned To Port 1

S - Specify