

Isolator Polarization Beam Combiner

Features

- Low insertion loss
- High extinction ratio
- Compact size
- High directivity

Applications

- EDFA
- Raman amplifier



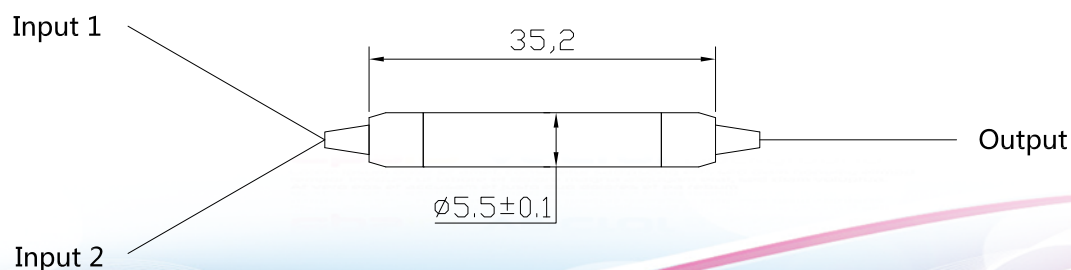
Main Specifications

Parameter	Max	Min	Specification	Unit
Center Wavelength			1550	nm
Bandwidth			±20	nm
Insertion Loss	√		0.9	dB
Isolation		√	22	dB
Extinction ratio		√	20	dB
Return Loss		√	50	dB
Operating Temperature Range			0 ~ +70	°C
Storage Temperature Range			-40 ~ +85	°C
Maximum Power Handling			500	mW
Package Dimension (L*Φ)			35.2 * 5.5	mm

Notes:

1. All values referenced without connector.
2. The optical polarization direction is aligned with the slow axis.

Mechanical Dimensions



Order Information

IPBC-A-B-C

A	Wavelength	48: 1480 nm 55: 1550 nm
B	Fiber Type	1: 250 μ m bare fiber, PM fiber 2: 400 μ m bare fiber, PM fiber
C	Connector Type	0: without connector 1: LC 2: FC X: customized

Example

Part number of "IPBC-48-1-X" represents an Isolator Polarization Beam Combiner with:

- 1480 nm wavelength
 - 250 μ m bare fiber, PM fiber
 - Customized connector type
- The above specifications represent the typical performance of an O-Net Isolator Polarization Beam Combiner of this category.
 - Please contact our Sales to discuss your specific requirements.