

1064 nm Isolator Polarization Beam Combiner / Splitter

Model #: IPBC (IPBS)

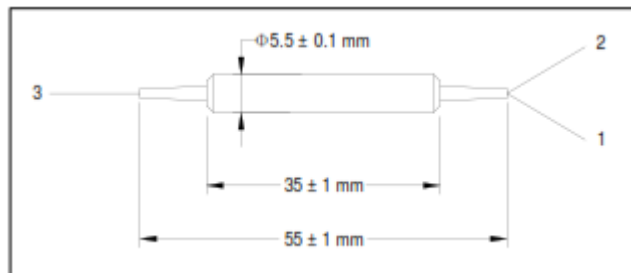
Description: 1064 nm Isolator Polarization Beam Combiner or Splitter Hybrids

Application: Fiber amplifier, fiber laser, fiber sensor, polarization mode dispersion compensator

Specifications:

Parameter	Unit	Specifications
Central Wavelength	nm	1064
Maximum Insertion Loss, 23 °C	dB	2.1
Typ. Insertion Loss, 23 °C	dB	1.8
Min. Isolation, 23 °C	dB	25
Typ. Isolation, 23 °C	dB	35
Min. Polarization Extinction Ratio (splitter only)	dB	20
Min. Return Loss	dB	50
Min. Directivity	dB	50
Max. Optical Power (CW)	mW	300
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-40 to + 85
Dimension (mm)		5 (D) x 35 (L)
Fiber Type		HI1060 OR PM980 Panda fiber for Port 3 PM980 Panda fiber for Port 1 & 2

Note: each connector may contribute extra 0.5 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.



Ordering Information:

Beam Combiner IPBC-A-BB-C-D-E-F

Beam Splitter IPBS-A-BB-C-D-E-F

A: stage	BB: wavelength	C: connector type	D: fiber jacket	F: fiber type Port 3	G: fiber length
1 – single stage	06 – 1064 nm	1 - FC/UPC	B - 250 μ m Panda fiber	1 – HI 1060 fiber	Q-0.75m
	XX - other	2 - FC/APC	L - 900 μ m loss tube	2 – slow axis aligned 45° to Port 1	X-other
		3 - SC/UPC	X - other	3 - slow axis aligned to Port 1	
		4 - SC/APC		X - other	
		N - none			
		X - other			