

2000 nm Isolator Polarization Beam Combiner / Splitter

Model #: IPBC (IPBS)

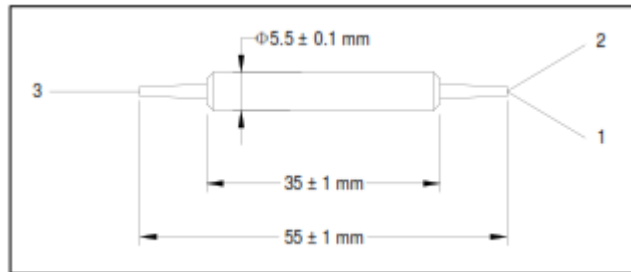
Description: 2000 nm Isolator Polarization Beam Combiner or Splitter Hybrids

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

Specifications:

Parameter	Unit	Specifications	
		Single Stage	Dual Stage
Central Wavelength	nm	2000 ± 20	
Typ. Insertion Loss	dB	0.6	0.7
Maximum Insertion Loss	dB	1.2	1.3
Min. Isolation	dB	20	42
Min. Polarization Extinction Ratio (splitter only)	dB	20	
Min. Return Loss	dB	50	
Min. Directivity	dB	50	
Max. Optical Power (CW)	mW	500	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to + 85	
Dimension (mm)	mm	5 (D) x 35 (L)	
Max. Tensile Load	N	5	
Fiber Type		SMF-28 OR PM 1550 nm Panda fiber for Port 3 PM 1550nm Panda fiber for Port 1 & 2	

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.



Ordering Information:

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

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

A: stage	BBBB: wavelength	C: connector type	D: fiber jacket	F: fiber type Port 3	G: fiber length
1 – single stage	2000 – 2000 nm	1 - FC/UPC	B - 250µm Panda fiber	1 – SMF-28 fiber	Q-0.75m
2 – dual stage	XXXX - other	2 - FC/APC	L - 900 µm 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			