

Isolator Polarization Beam Combiner / Splitter

Model #: IPBC (IPBS)

Description: isolator Polarization Beam Combiner or Splitter Hybrids

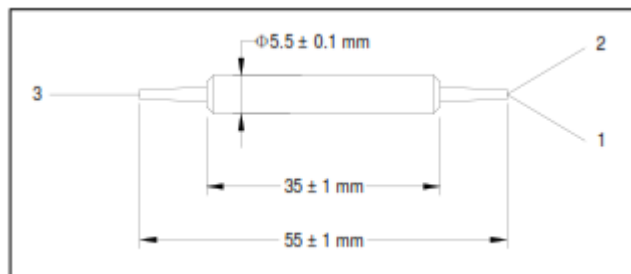
Application: Fiber amplifier, fiber laser, fiber sensor, polarization mode dispersion compensator

Specifications:

Parameter	Unit	Specifications	
Wavelength Range	nm	1550, 1480 or 1310 +/- 20	
Configuration		Single Stage	Dual Stage
Max. Insertion Loss	dB	0.7	0.8
Typ. Insertion Loss	dB	0.45	0.55
Min. Isolation	dB	20	42
Min. Polarization Extinction Ratio	dB	20	
Min. Return Loss	dB	50	
Min. Directivity	dB	50	
Max. Optical Power	mW	500	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to + 80	
Dimension (mm)		5 (D) x 35 (L)	
Fiber Type		SMF-28 OR PM Panda fiber for Port 3 PM Panda fiber for Port 1 & 2	

* Customized ratios are acceptable;

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-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	31 – 1310 nm	1 - FC/UPC	B - 250 μ m Panda fiber	1 - SMF-28 fiber	Q-0.75m
2 – dual stage	48 – 1480 nm	2 - FC/APC	L - 900 μ m loss tube	2 – slow axis aligned to Port 1	X-other
	55 – 1550 nm	3 - SC/UPC	X - other	3 - slow axis aligned to Port 2	
	XX - other	4 - SC/APC		X-other	
		N - none			
		X - other			