

Isolator & Polarization Beam Splitter/Combiner (IPBC/IPBS)

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Stability and Reliability

Applications

- EDFA and Raman Amplifier
- Fiber sensor
- Coherent communication systems
- Polarization mode dispersion Compensator

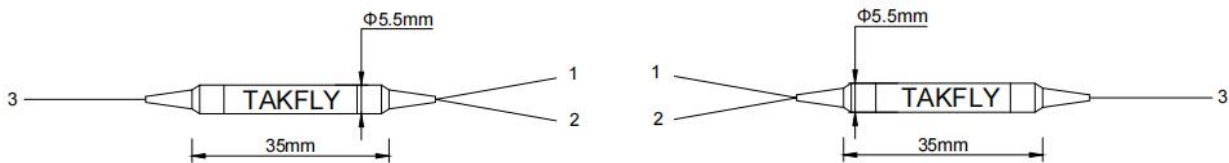
Specifications

Parameters		Unit	Values			
Stage		-	Dual		Single	
Center Wavelength		nm	2000	1550,1310	2000	1550,1310, 1064
Operating Wavelength Range		nm	±20	±20	±20	±5
Typ. Insertion Loss at 23℃		dB	0.7	0.55	0.6	0.45, 1.8
Max. Insertion Loss at 23℃		dB	1.3	0.80	1.2	0.70, 2.1
Typ. Reversed Isolation at 23℃ (Port 3 to Port 1 or 2)		dB	51	51	35	35, 35
Min. Isolation at 23℃ (Port 3 to Port 1 or 2)		dB	42	42	20	20, 25
Min. Extinction Ratio at 23℃		dB	20	25	20	20, 20
Directivity		dB	50			
Min. Return Loss		dB	50			
Max. Optical Power (CW)		mW	300			
Max. Tensile Load		N	5			
Fiber Type	Port 1 & 2	-	PM Panda fiber			
	Port 3	-	PM Panda fiber, SMF-28E or Hi1060			
Operating Temperature		℃	-5~+70			
Storage Temperature		℃	-40~+85			

For device with connector, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.

The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

IPBC-1111-23-444-555-67-8-999 / IPBS-1111-23-444-555-67-8-999

1111 - Wavelength:	2000=2000nm, 1550=1550nm, 1310=1310nm, 1064=1064nm,.....
2 - Core Type:	S=Single-core, D=Dual-core
3 - Option for Port 3 to 1, 2:	1=SM Fiber to PM Fiber 2=PM Fiber to PM Fiber, Port 3 is slow axis 0° aligned to Port 1 3=PM Fiber to PM Fiber, Port 3 is slow axis 45° aligned to Port 1
444 - Fiber Type for Port 3:	001=PM1550, 003=PM980, 004=Hi1060, 008=SMF-28E, SSS=Specify
555 - Fiber Type for Port 1 & 2:	001=PM1550, 003=PM980, SSS=Specify
6 - Package Dimension:	0=φ5.5x35mm, 1=φ5.5x50mm, S=Specify
7 - Pigtail Type:	0=bare fiber, 1=900μm loose tube
8 - Fiber Length:	0.75=0.75m, 1.0=1m, S=Specify
999 - Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify