

## Hybrid Device, Isolator + PBC (IPBC 131415, 1064nm)

### Product Description

The Hybrid IPBC from OF's is based on Micro-Optics technology, assembly Isolator with PBC together to achieve integrated function, it has compact size which make customer easily install it into module. Isolator+PBC hybrid device as follows.

Specifications				
Parameters	Unit	Value		
Product Name	-	<b>IPBC</b>		
Center Wavelength ( $\lambda_c$ )	nm	1310, 1480, 1550		1060
Operating Wavelength Range	nm	$\lambda_c \pm 20$		$\lambda_c \pm 5$
Configuration	--	1x2		
Stage	--	Single	Dual	Single
IL at To*	dB	$\leq 0.7$	$\leq 0.8$	$\leq 2.1$
Typ. IL at Tr*	dB	0.45	$\leq 0.55$	1.8
Isolation at Tr*	dB	$\geq 20$	$\geq 40$	$\geq 25$
Typ. Peak Isolation	dB	35	50	35
Extinction Ratio	dB	$\geq 20$		
Return Loss (Input/Output)	dB	$\geq 50$		
Power handling(CW)	mW	$\leq 500$		$\leq 300$
Tensile Load	N	$\leq 5$		
Fiber Type	--	SMF-28e or PM panda fiber		Hi1060 or PM panda fiber
Pigtail Type	--	Bare fiber or 0.9mm loose tube are available		
Package Dimension	mm	$\Phi 5.5 \times L35$		
Connector Type	--	SC, FC, LC / UPC, APC		
Operating Temperature	$^{\circ}\text{C}$	-5 to +70		
Storage Temperature	$^{\circ}\text{C}$	-40 to +85		

Remark:

\* Tr=Room temperature, To=Operating temperature.

\* Above specifications are for device without connector.

\* For devices with connectors, please refer to PM fiber patchcord spec.

\* The PM fiber and the connector key are aligned to the slow axis.(Default if customer no special request)

## Product Structure Diagram



Ordering Information					
IPBC	Wavelength	Stage	Pigtail Type	Fiber Length	Connector
1x2	1060nm 1310nm 1480nm 1550nm Specify	Single Dual	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC Specify