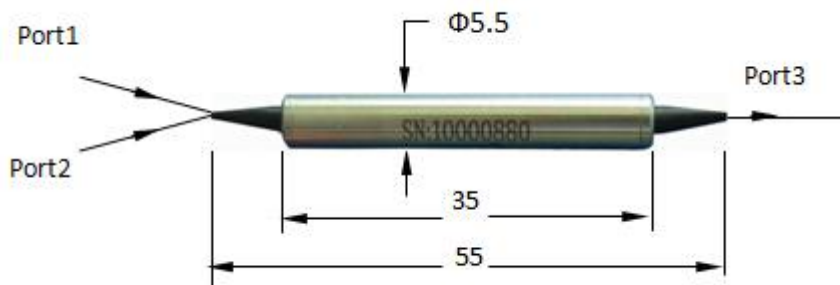


# Hybrid Device, Isolator + PBC (IPBC 131415, 1064nm)

## Product Description:

The Hybrid IPBC from optics-forest Inc 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.

## Product



## Specifications

Parameter	Unit	Value		
Product Name	nm	IPBS		
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		

\* \* 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)

Ordering Information						
IPBS	stage	Wave length	Pigtail Type	Fiber Type On Port 3	Fiber Length	Connector
1X2	Single Stage  Dual stage	1310nm 1480nm 1550nm 1064nm Specify	250um bare fiber 900um loose tube Specify	SMF-28e PM Panada ,slowAxis align 45° to port 1 PM Panada ,slowAxis align to port1 Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify