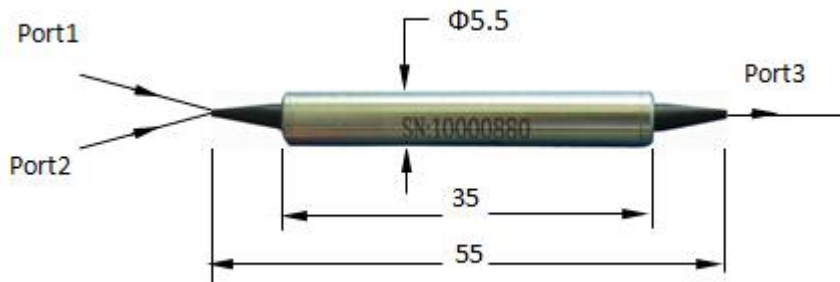


Hybrid Device, Isolator + PBC (IPBC 131415, 1064nm)

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 (λ_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 | ≤ 0.7 | ≤ 0.8 | ≤ 2.1 |
| Typ. IL at Tr* | dB | 0.45 | ≤ 0.55 | 1.8 |
| Isolation at Tr* | dB | ≥ 20 | ≥ 40 | ≥ 25 |
| Typ. Peak Isolation | dB | 35 | 50 | 35 |
| Extinction Ratio | dB | ≥ 20 | | |
| Return Loss (Input/Output) | dB | ≥ 50 | | |
| Power handling(CW) | mW | ≤ 500 | | ≤ 300 |
| Tensile Load | N | ≤ 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 |