



1064nm Isolator Polarization Beam Combiner/Splitter

Features

Extremely Low Insertion Loss
High Extinction Ratio
High Return Loss

Applications

Raman Amplifier
Fiber Laser

Specifications

Parameter	Unit	Values
Stage		Single stage
Center Wavelength	nm	1064
Operating Wavelength Range	nm	± 5
Min. Isolation at 23°C	dB	25
Typ. Isolation	dB	35
Typ. Insertion Loss	dB	1.8
Max. Insertion Loss	dB	2.1
Min. Return Loss	dB	50
Min. Directivity	dB	50
Min. Extinction Ratio (for Splitter only)	dB	20
Max. Optical Power (CW)	mW	300
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to + 50
Storage Temperature	°C	-40 to +85

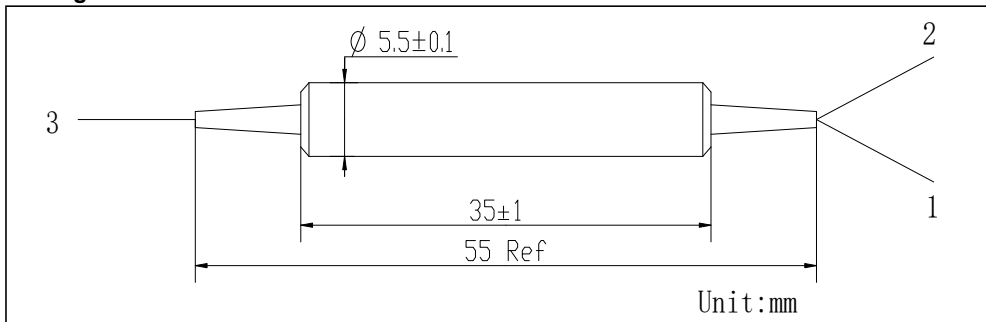
* Above specifications are for device without connector.

* For devices with connectors, IL will be 0.5dB higher, RL will be 5dB lower, and ER will be 2dB lower.

* The PM fiber and the connector key are aligned to the slow axis.

* The material must be RoHS compliant.

Package Dimensions



Ordering Information

IPBC-①-②-③③③-④④④-⑤⑤-⑥-⑦-⑧

IPBS-①-②-③③③-④④④-⑤⑤-⑥-⑦-⑧

①: Wavelength
1064 - 1064nm

②: Stage
S - Single Stage

③③③: Connector Type on Port 1, 2 & 3
1B - FC/UPC
2B - FC/APC (Step)
3D - SC/UPC
4D - SC/APC (Step)
N - None
S - Specify

④④④: Fiber Jacket on Port 1, 2 & 3
B - Bare Fiber
C - 900um Red Loose Tube (PM Fiber)
F - 900um White Loose Tube (SM Fiber)
SS - Specify

⑤⑤: Fiber Type
03B - Port 1, 2&3: PM980
11B - Port 1&2: PM980, Port 3: HI1060
18 - Port 1, 2&3: HI1060
S - Specify

⑥: Axis Alignment on Port 3
1 - SM Fiber, Align to Port 1 & 2 Slow Axis
2 - PM Fiber, Slow Axis Align 45° to Port 1
3 - PM Fiber, Slow Axis Align to Port 1
4 - All Ports are SM Fiber
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify

⑧: Package Dimensions
01 - $\phi 5.5 \times 35$
S - Specify