

1730nm Single-stage polarization-maintaining isolator (Isolation 18dB)



● Product Description

Polarization Maintaining Isolator

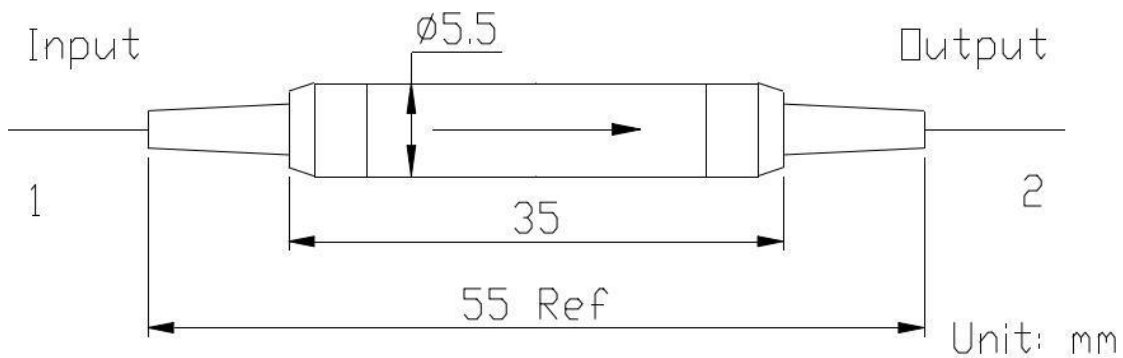
● Part Number

PMI-1730-S-F-2B-BB-B10-1-01

● Application area

Fiber Laser、 Optical transceiver、 Fiber Amplifier 、 Fiber Optic Sensors

● Dimensional Drawing



General parameters

Parameter	Unit	Values	
Single/Dual Stage	-	Single Stage	Dual Stage
Central wavelength	nm	1730	
Min Isolation at 23°C, $\lambda_c \pm 20\text{nm}$	dB	18	35
Max Insertion loss at -5°C to +70°C, $\lambda_c \pm 30\text{ nm}$	dB	1.2	1.6
Min Extinction Ratio	dB	18	
Min Return loss	dB	50	
Max Optical Power (CW)	mW	300	
Max Tensile Load	N	5	
Operating temperature	°C	-5 to +70	
Storage temperature	°C	-40 to +85	

* The above specifications apply to devices without connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*PM fiber and connector keys are aligned with the slow speed axis.

Model Description

PMI-①-②-③-④④-⑤⑤-⑥-⑦-⑧

①: Wavelength

1730 - 1730nm

②: Stage

S - Single Stage

D - Dual Stage

③: Axis Alignment

F - Fast Axis Blocked

④④: Connector Type on Port 1 &2

1B - FC/UPC

2B - FC/APC (Step)

3D - SC/UPC

4D - SC/APC (Step)

N - None

S - Specify

⑤⑤: Fiber Jacket on Port 1 &2

B - Bare Fiber

C - 900um Red Loose Tube

S - Specify

⑥: Fiber Type

3B - PM 1550

B10 - PM 1950

S - Specify

⑦: Fiber Length

1 - 1.0 m

S - Specify

⑧: Package Dimensions

01 - Ø5.5×35