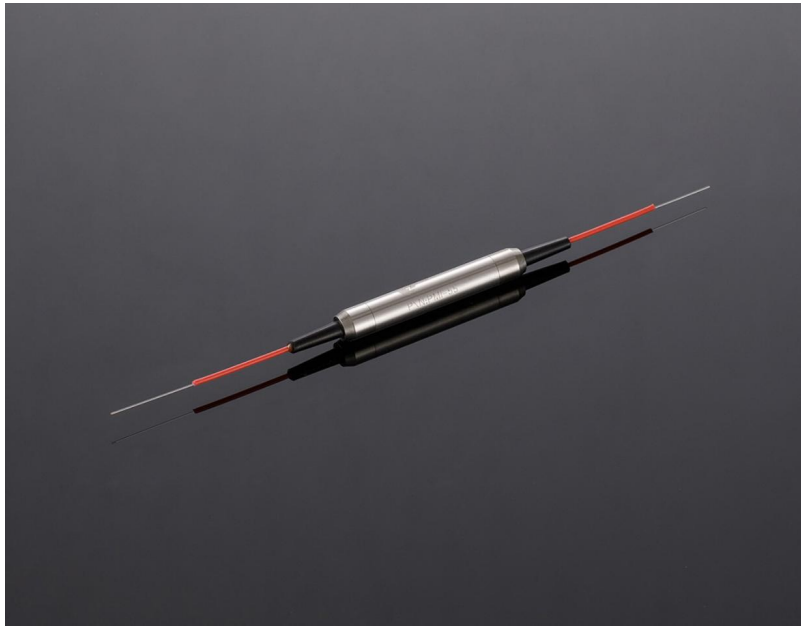


1730nm Single-stage polarization-maintaining isolator (Isolation 18dB)



- **Product Description**

Polarization Maintaining Isolator

- **Product features**

Polarization-maintaining fiber compatibility; High isolation; Low insertion loss; Wide temperature stability; Compact structure

● Part Number

MP-ISO-F-1730-A-S-PA-1

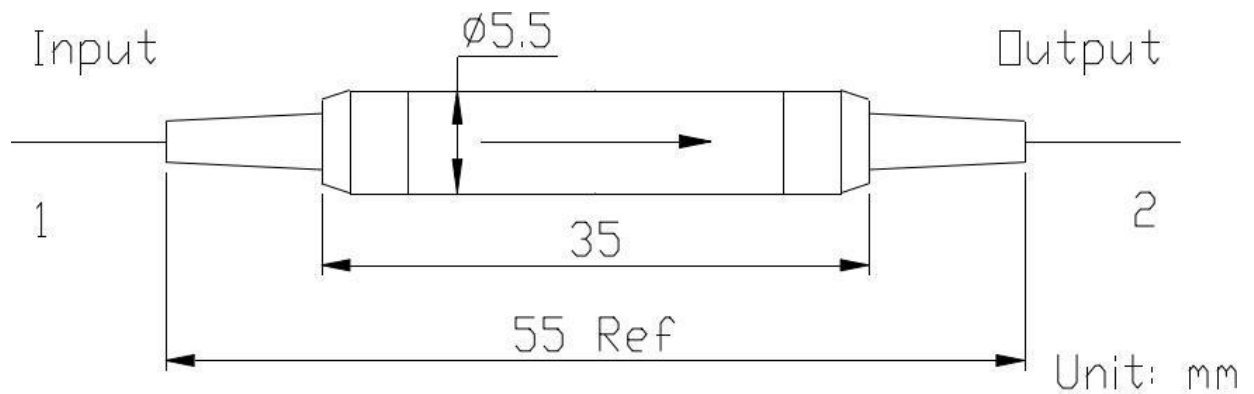
● Application area

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

● Core parameters

Central Wavelength	Single/Dual Stage	Isolation
1730nm	Single Stage	Single Stage

● Dimension Drawing



● General Parameters

Parameter	Unit	Values	
		Single Stage	Dual Stage
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



Parameter	Unit	Values	
		Single Stage	Dual Stage
Single/Dual Stage	-		
Max Insertion loss at -5°C to +70°C, $\lambda_c \pm 30$ 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