

## Polarization Maintaining Isolator (PMISO)

### 1. Description:

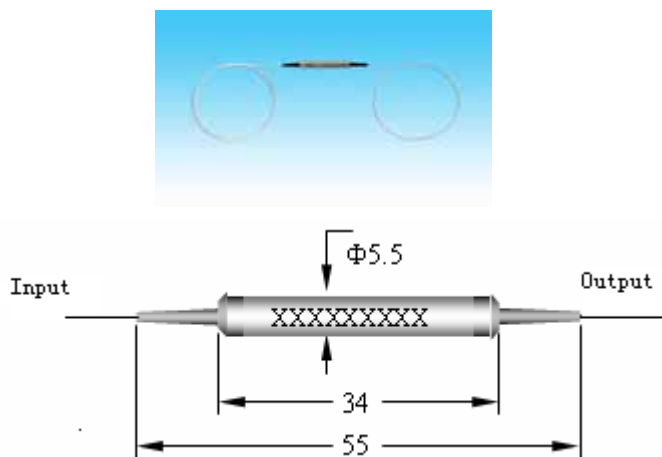
The Polarization Maintaining Micro Optics Components are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability. They are ideal for polarization maintaining fiber amplifiers, fiber lasers, high speed communication system and instrumentation applications.

### 2. Features:

- \* High isolation
- \* Low insertion loss
- \* Excellent stability and reliability
- \* High power handling

### 3. Applications:

- \* Fiber laser
- \* Fiber amplifier
- \* Sensor
- \* Communications



### 4. Specifications:

Parameter	Type	Single Stage	Dual stage
	Operating Wavelength		1064
Bandwidth (nm)		±5	
Typ. Insertion Loss(dB)@23		1.6	2.6
MAX .Insertion Loss		≤2.0	≤3.0
Extinction Ratio (dB)		≥20(Type B) ≥23(Type F)	≥20(Type B) ≥23(Type F)
Isolation(dB)		≥30	≥45
Return Loss (dB)		≥50	≥50
Fiber Type		PM 980	
Dimension (mm)		Φ5.5×L34	
Operating temperature ( )		-5~+50	
Storage temperature ( )		-40~+85	

\* “B” for Both axis working, “F” for Fast axis blocking.

\* IL is 0.3dB (1310~1550nm) or 0.5dB (1064nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

### 6. Product Ordering Information:

PMISO-X-XXX-X-X-XX/XXX-XX\*XX

