

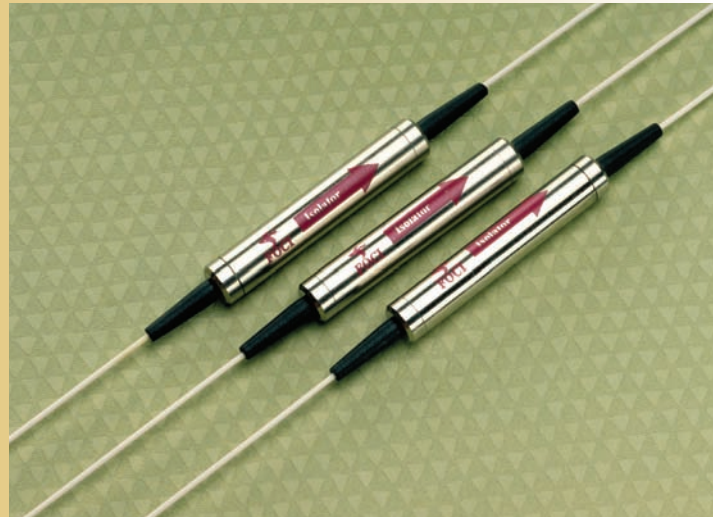
# M-IS SUPPEME POLARIZATION INDEPENDENT ISOLATORS

**Features:**

- Ultra high isolation
- Minimum polarization dependent loss (PMD)
- Polarization mode dispersion (PMD) free
- Optical path epoxy free
- Low insertion loss
- Environmentally stable

**Applications:**

- Optical amplification
- Optical transmission
- CATV
- Fiber laser
- Testing equipment



## Performance Specifications:

ITEM	Supreme Polarization Independent Isolators
Operating wavelength, nm	1310, 1550
Stage	Dual
Grade	High (H)
Peak Isolation, dB (typical)	≥60
Minimum Isolation, dB (over the center wavelength ± 20nm), (at 25°C, all SOP)	55
Typical Insertion Loss, dB (over the center wavelength ± 20nm), (at 25°C, all SOP)	0.9
Maximum Insertion Loss, dB (over the operating range ± 20nm), (0 ~ 70°C, all SOP)	1.3
Polarization dependent Loss, dB	≤0.15
Return Loss, dB (input/output)	≥60
Polarization Mode Dispersion, ps	≤0.10
Operating Temperature, °C	0 ~ +70
Storage Temperature, °C	-45 ~ +85
Maximum Output Power, mW	300
Package Size, mm	E-type Ø5.5 x 34 mm for coated fiber (250µm) and for loose tube cable (900µm)

Note: 1. SOP = States of Polarization  
2. I.L.: Without Connector Loss.

# SUPREME POLARIZATION INDEPENDENT ISOLATORS

## Ordering Information:

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<b>Operating Wavelength</b>			
13	1310nm		
15	1550nm		
00	Others, please specify		
<b>Grade</b>			
H	High		
<b>Pigtail Type (Input / Output)</b>			
C	Coated fiber (250μm)		
L	Loose tube (900μm)		
X	Others, please specify		
<b>Packaging Dimension</b>			
E	E type		
X	Others, please specify		
<b>Pigtail Length (for each end)</b>			
1	1 meter	A	0.5 meter
2	2 meter	B	1.5 meter
X	Others, please specify		
<b>Connector Type (Input / Output)</b>			
FC	FC type	AP	FC/APC type
SC	SC type	AS	SC/APC type
ST	ST type	MU	MU type
LC	LC type	NC	None
XX	Others, please specify		