

# M-II POLARIZATION INDEPENDENT ISOLATORS

**Features:**

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

**Applications:**

- Optical amplification
- Optical transmission
- CATV
- High-bit rate optical communications
- High speed analog optical systems



## Performance Specifications:

ITEM	Polarization Independent Isolators			
Operating wavelength, nm	1310, 1550			
Stage	Single		Dual	
Grade	S	H	S	H
Minimum Isolation, dB (over the center wavelength±15nm), (at 25°C, all SOP)	32	30	46	45
Typical Insertion Loss, dB (at 25°C, all SOP)	0.4	0.5	0.5	0.6
Maximum Insertion Loss, dB (over the operating range±20nm), ( 0 ~ 70°C, all SOP)	0.5	0.7	0.6	0.8
Polarization dependent Loss, dB	≤0.05	≤0.1	≤0.05	≤0.1
Return Loss, dB (input/output)	60/55	55/50	60/55	55/50
Polarization Mode Dispersion, ps	≤0.25	≤0.25	≤0.05	≤0.7
Operating Temperature, °C	-5 ~ +70			
Storage Temperature, °C	-40 ~ +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.

# POLARIZATION INDEPENDENT ISOLATORS

## Ordering Information:

M - II -  -  -  -  -  -  -  -  /

**Stage Type**

- 1 Single
- 2 Dual

**Operating Wavelength**

- 13 1310nm
- 15 1550nm
- 00 Others, please specify

**Grade**

- S Super
- H High

**Pigtail Type (Input / Output)**

- C Coated SMF fiber (250µm)
- L Loose tube cable (900µm)
- Q 3.0mm cable
- X Others, please specify

**Packaging Dimension**

- E E type
- X Others, please specify

**Pigtail Length (for each end)**

- |   |                        |   |           |
|---|------------------------|---|-----------|
| 1 | 1 meter                | A | 0.5 meter |
| 2 | 2 meter                | B | 1.5 meter |
| X | Others, please specify |   |           |

**Connector Type (Input / Output)**

- |    |                        |    |             |
|----|------------------------|----|-------------|
| 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 |    |             |