O-Net Technologies
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Polarization Maintaining (PM) Isolator

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Features

- Low insertion loss, high isolation
- Low PDL & PMD
- Optical path epoxy-free
- Telcordia compliant
- RoHS compliant

Applications

- EDFA
- Fiber-optic instruments

Main Specifications

Parameter		Specification		Unit
Center Wavelength (λ_C)		1550		nm
Single/Dual Stage		Single	Dual	
Isolation(at λ_C±15nm)[1]	Min	32	46	dB
Isolation(at λ_C±15nm)[2]	Min	22	40	dB
Insertion Loss(at λ_C)[1]	Typical	0.6	0.8	dB
Insertion Loss(at λ_C±15nm)[2]	Max	0.8	1.1	dB
Return Loss (Input/Output)	Min	55/55	55/55	dB
Operating Temperature Range		-5~+75		℃
Storage Temperature Range		-40~+85		℃
Maximum Power Handling		500		mW
Package Dimension (L*∅)		30*5.5(Single) 35*5.5(Dual)		mm

Notes:

1. Tested at 23°C, all SOP, and values referenced without connector.
2. Tested at -5 ~ 75°C, all SOP, and values referenced without connector.
3 .If you need any information about other wavelengths, please contact us.

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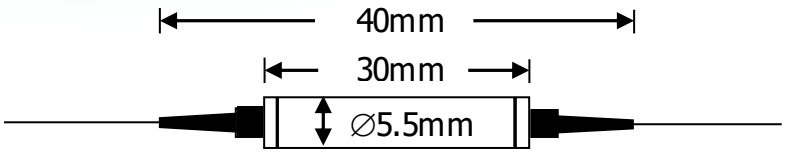
Mechanical Dimensions



Order Information

PIS-A-B-C

A	Single/Dual Stage	S: single stage D: dual stage
B	Fiber Type	1: 400μm Panda PM fiber 2: 250μm Panda PM fiber 3: 900μm Panda PM fiber
C	Connector Type	0: without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: customized

Example

Part number of "PIS-S-1-0" represents an In-Line Optical Isolator with:

- single stage, without polarizer
- 400μm Panda PM fiber
- without connector

Please contact our Sales to discuss your specific requirements.