PM Fiber Isolator

Features:

- Wide Operating Wavelength & Temperature Range
- Low Insertion Loss & High Isolation
- Ultra Low PDL & PMD
- High Extinction Ratio
- Epoxy-Free in Optical Path
- RoHS Compliant

Applications:

- EDFA
- Coherent Communications
- Fiber Optic Instruments
- Transmitters & Fiber Laser

Specifications[1,2]:

Parameter		Unit	Single Stage	Dual Stage
Central Wavelength (λc)		nm	1310, 1550	
Isolation (λc+/-15nm, 23°C, All SOP)	Min.	dB	28	48
Isolation (λc+/-15nm, 0~70°C, All SOP)	Min.	dB	20	34
Insertion Loss (λc, 23°C, All SOP)	Typ.	dB	0.60	0.70
Insertion Loss (λc+/-20nm, 0~70°C, All SOP)	Max.	dB	0.80	0.90
Return Loss (Input/Output) (λc, 23°C)	Min.	dB	60/55	60/55
Extinction Ratio (λc, 23°C, All SOP)	Min.	dB	20	
Fiber Type			Panda 400μm	
Fiber Length	Min.	m	1.0	
Power Handling	Max.	mW	500	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension		mm	(ϕ)5.5×(L)32	

1. SOP=State of Polarization.
2. Values referenced without connectors.
Note: OEM products with different specifications are also available.

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Dimension:

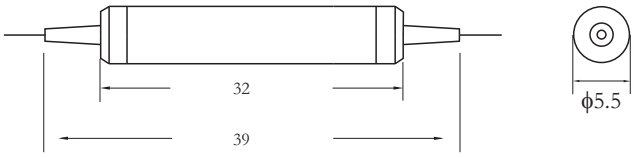

Figure 1. PM Fiber Isolator

Order Information:

PISO - X - X - XXX - XXXX - XX
A B C D E

A	Type	S=Single stage
		D=Dual stage
B	Grade	A=Grade "A"
C	Fiber Type	400=400μm panda PM fiber
D	Wavelength	1310=1310nm
		1550=1550nm
E	Connector	NN=W/O connector
		XY=With connector[1]

1. Please specify the type of connector when ordering.

Mechanical Type	SC	FC
X	1	2
Physical Contact Type	PC	UPC
Y	1	2

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