

Mini Size Isolator

Features:

- Wide Operating Wavelength & Temperature Range
- Low Loss & High Isolation
- Epoxy-Free in Optical Path
- Compact Size
- RoHS Compliant

Applications:

- EDFA
- WDM & DWDM Systems
- Fiber Optic Instruments
- Transmitters & Fiber Laser



Isolator (1550nm)

Specifications^{1, 2}:

Parameter	Unit	Single Stage	PMD Compensated	Dual Stage
Operating Wavelength Band	nm	1526~1570		
Insertion Loss (1526~1570nm, -5~70°C, All SOP)	Typ. dB	0.35	0.35	0.45
	Max. dB	0.6	0.6	0.7
Isolation (1526~1570nm, -5~70°C, All SOP)	Min. dB	20	20	38
PDL (1550nm, 23°C, All SOP)	Max. dB	0.1	0.1	0.1
Return Loss (Input/Output) (1550nm, 23°C)	Min. dB	55/55	55/55	55/55
PMD	Max. ps	0.2	0.05	0.05
Fiber Type	Corning SMF-28e			
Fiber Length	Min. m	1.0		
Power Handling	Max. mW	500		
Operating Temperature	°C	-5~70		
Storage Temperature	°C	-40~85		
Package Dimension	mm	(f)3.0 (L)23		

Isolator (1310, 1480, 1590nm)

Specifications^{1,2}:

Parameter	Unit	Single Stage	PMD Compensated	Dual Stage
Operating Central Wavelength (l c)	nm	1310, 1480, 1590		
Insertion Loss (l c +/-20nm, -5~70°C, All SOP)	Typ. dB	0.3	0.3	0.45
	Max. dB	0.6	0.6	0.7
Isolation (l c +/-20nm, -5~70°C, All SOP)	Min. dB	20 ³	20 ³	38 ⁴
PDL (l c, 23°C, All SOP)	Max. dB	0.1	0.1	0.1
Return Loss (Input/Output) (l c, 23°C)	Min. dB	55/55	55/55	55/55
PMD	Max. ps	0.2	0.05	0.05
Fiber Type	Corning SMF-28e			
Fiber Length	Min. m	1.0		
Power Handling	Max. mW	500		
Operating Temperature	°C	-5~70		
Storage Temperature	°C	-40~85		
Package Dimension	mm	(f)3.0 (L)23		

1. SOP=State of Polarization.
 2. Values referenced without connectors.
 3. Isolation is 18dB for 1310nm and 1480nm.
 4. Isolation is 38dB for 1310nm and 1480nm.
- Note: OEM products with different specifications are also available.

Dimension:

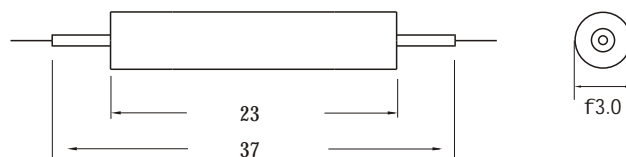


Figure 1. Mini Size Isolator

Order Information:

MISO - X - X - XXXX - XXXX - XX
 A B C D E

A	Type	S=Single stage
		D=Dual stage
		C=PMD compensated
B	Grade	A=Grade ² A ²
C	Fiber Type	250S=250mm bare fiber
D	Wavelength	1310=1310nm
		1480=1480nm
		1550=1550nm
		1590=1590nm
E	Connector	NN=W/O connector
		XY=With connector ¹

1. Please specify the type of connector when ordering.

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		