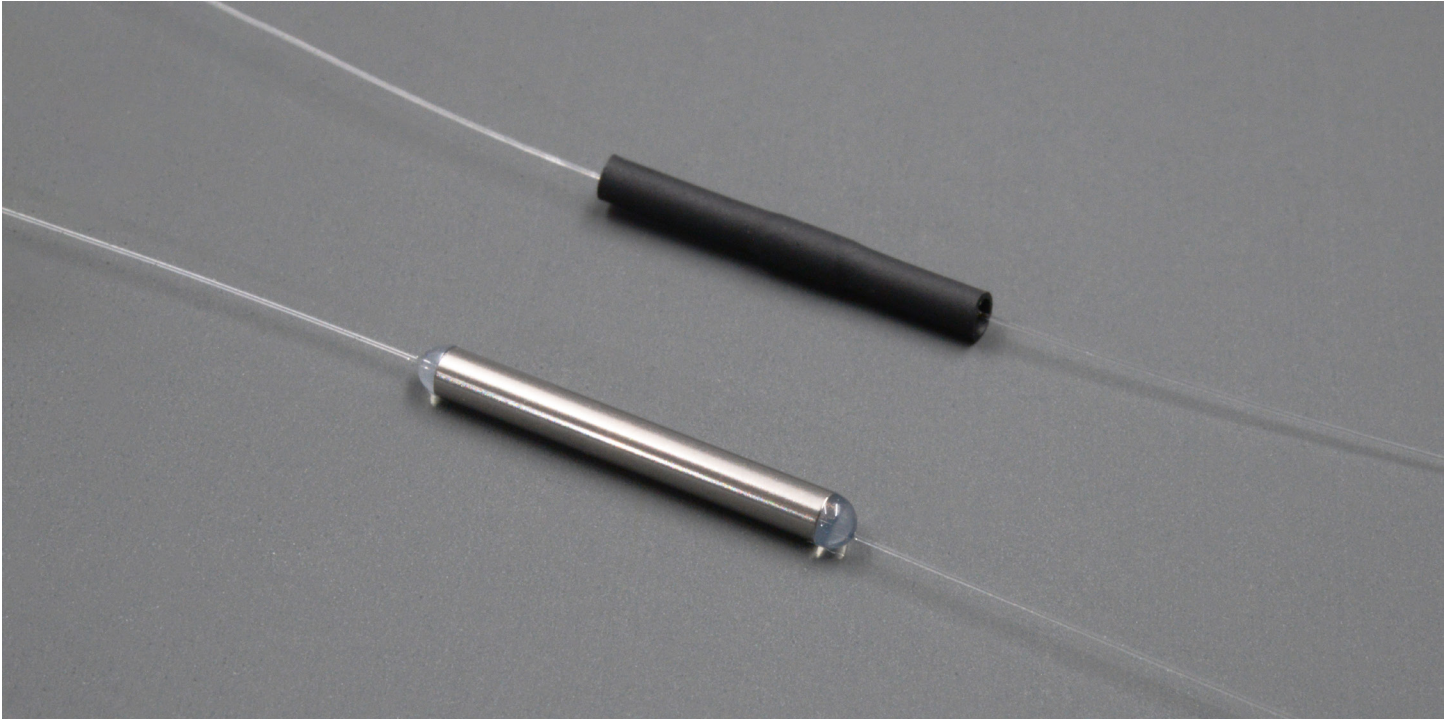


UMN ISOLATOR

Coherent's UMN Isolator with compact size is optical path epoxy-free design. The device features low cost with high performance including low insertion loss, high return loss, high isolation, low polarization dependent loss (PDL) and low polarization mode dispersion (PMD), also fully meet GR-1221-Core.



FEATURES

- Compact Size
- Wide Operating Wavelength & Temperature
- Low Insertion Loss
- High Isolation
- Low PDL & PMD
- RoHS Compliant

APPLICATIONS

- EDFA
- CATV Fiber Optics Link
- WDM & DWDM Systems
- Fiber Optic Instruments
- Transmitters & Fiber Laser
- Amplifiers

250 μm Fiber Isolator Specification

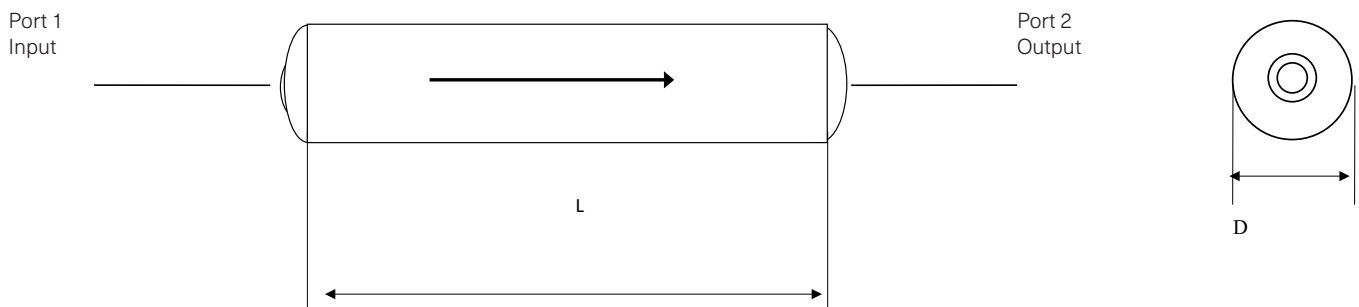
Parameter		Unit	Single Stage	Dual Stage
Operating Central Wavelength (λ_c)		nm	1310, 1550, 1590	
Insertion Loss (1526~1570, -5~75 °C, All SOP)	Max.	dB	0.6	0.7
Isolation (1526~1570, -5~75 °C, All SOP)	Min.	dB	20	38
PDL (λ_c , RT, All SOP)	Max.	dB	0.1	0.15
Return Loss (Input/Output) (λ_c , RT)	Min.	dB	55	55
PMD	Max.	ps	0.05	0.05
Fiber Type			G652D&G657A1 250 μm fiber or specified	
Fiber Length	Min.	m	1.0	
Power Handling	Max	mW	500	
Operating Temperature		°C	-5~70	
Storage Temperature		°C	-40~85	

80 μm Fiber Isolator Specification

Parameter		Unit	Single Stage	Dual Stage
Operating Central Wavelength (λ_c)		nm	1310, 1550, 1590	
Insertion Loss (1526~1570, -5~70°C, All SOP)	Max.	dB	0.7	0.8
Isolation (1526~1570, -5~70°C, All SOP)	Min.	dB	20	38
PDL (λ_c , RT, All SOP)	Max.	dB	0.15	0.20
Return Loss (Input/Output) (λ_c , RT)	Min.	dB	55	55
PMD	Max.	ps	0.05	0.05
Fiber Type			G657B3 80/165 μm fiber or specified	
Fiber Length	Min.	m	1.0	
Power Handling	Max	mW	500	
Operating Temperature		°C	-5~70	
Storage Temperature		°C	-40~85	

1. SOP = State of Polarization.
2. Values referenced without connectors.

Package Dimensions



Type	D(mm)*L(mm)
Metal tube	2.3*18
Heat-Shrinkable tube	2.1*18

Ordering Information

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

A	Type	S = Single stage D = Dual stage C = PMD
B	Fiber Type	250S = 250 μm fiber 80S = 80 μm fiber
C	Wavelength	1310 = 1310 nm 1550 = 1550 nm 1590 = 1590 nm
D	Packing Type	M = Metal tube H = Heat-Shrinkable tube
E	Connector	NN = W/O connector XY = With connector

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