

Hi-Rel Single Stage Isolator

Features:

- Ultra-High Reliability
- Low Insertion Loss & High Isolation
- Epoxy-Free in Optical Path



Applications:

- Ultra-long Haul Undersea Network
- WDM & DWDM Systems
- Fiber Optic Instruments

Specifications^{1,2}:

Parameter	Unit	Grade "P"	Grade "A"
Central Wavelength (λ_c)	nm	1310, 1550, 1590	
Isolation ($\lambda_c \pm 15$ nm, 23 °C, All SOP)	Min. dB	30	28
Isolation ($\lambda_c \pm 15$ nm, 0~ 70 °C, All SOP)	Min. dB	22	20
Insertion Loss (λ_c , 23 °C, All SOP)	Typ. dB	0.40	0.55
Insertion Loss ($\lambda_c \pm 20$ nm, 0~ 70 °C, All SOP)	Max. dB	0.50	0.70
PDL (λ_c , 23 °C, All SOP)	Max. dB	0.10	0.10
PMD	Max. ps	0.20	0.20
Return Loss (Input/Output)	Min. dB	60/60	60/55
Fiber Type		Corning SMF-28	
Fiber Length	Min. m	1.0	
Power Handling	Max. mW	1,000	
Operating Temperature	°C	0~70	
Storage Temperature	°C	- 40~85	
Package Dimension	mm	$(\phi)5.5 \times (L)32$	

1. Mini Size and 80 μ m Fiber package available.
2. Dual Stage and PMD Compensated Version available.

Dimension:

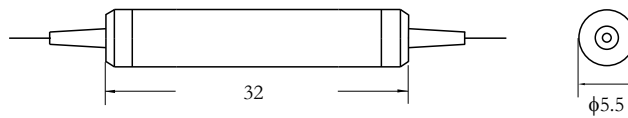


Figure 1. Hi-Rel Single Stage Isolator

Order Information:

HISO - $\underset{\text{A}}{\text{X}}$ - $\underset{\text{B}}{\text{X}}$ - $\underset{\text{C}}{\text{XXXX}}$ - $\underset{\text{D}}{\text{XXXX}}$ - $\underset{\text{E}}{\text{X}}$

A	Type	S=Single stage
B	Grade	P=Grade "P" A=Grade "A"
C	Fiber Type	900T=900 μm tight buffer fiber
D	Wavelength	1310=1310 nm 1550=1550 nm 1590=1590 nm
E	Connector	N=W/O connector Y=With connector ¹

1. Please specify the type of connector when ordering.