

Polarization Insensitive Fiber Isolator (Single Stage)

Features

- Wide operating wavelength and temperature range
- High isolation
- Low insertion loss
- Optical pass epoxy free
- High stability and reliability
- Telcordia qualification compliant



Application

- Fiber optical amplifier
- CATV fiber optic links
- WDM systems
- Fiber optical equipment

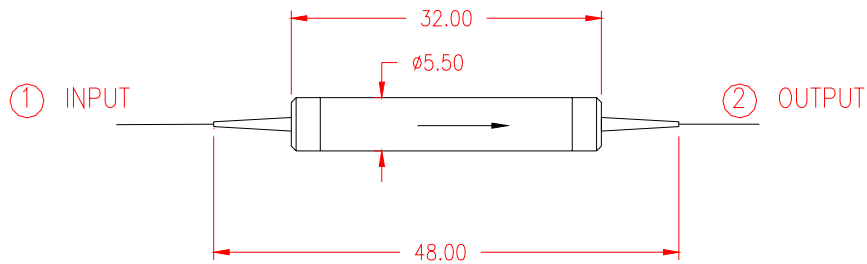
Specifications

Parameter	Unit		Single Stage Isolator	
			P	A
Center Wavelength (λ_c)	nm	-	1310, 1480, 1550, 1590	
Operating Wavelength Range	nm	-	$\lambda_c \pm 20$	
Isolation ($\lambda_c \pm 15\text{nm}$, 23°C, All SOP)	dB	Min	32	30
Isolation ($\lambda_c \pm 15\text{nm}$, 0~70°C, All SOP)	dB	Min	22	20
Insertion Loss ($\lambda_c \pm 15\text{nm}$, 23°C, All SOP)	dB	Max	0.3	0.4
Insertion Loss ($\lambda_c \pm 20\text{nm}$, 0~70°C, All SOP)	dB	Max	0.4	0.6
Wavelength Dependent Loss (WDL)	dB	Max	0.1	0.1
Polarization Dependent Loss	dB	Max	0.1	0.1
Polarization Mode Dispersion	ps	Max	0.25	
Return Loss (In/Out)	dB	Min	60/55	
Power Handling	mW	Max	300	
Operating Temperature	°C	-	-5 ~ 65	
Storage Temperature	°C	-	-40 ~ 85	
Package Dimension	mm	-	$\Phi 5.5 \times 32$ Standard Size $\Phi 4.0 \times 28$ Compact Size	

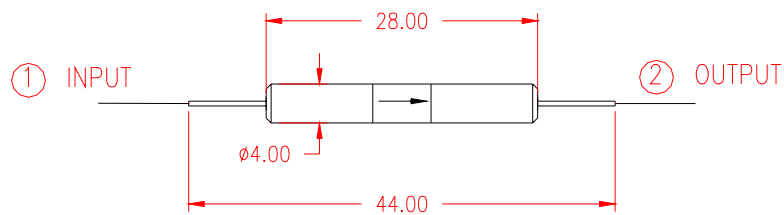
- (1) Values referenced without connector loss. Operating temperature and all state of polarization effects are considered.
- (2) PMD < 0.05 ps for single stage isolator is available.
- (3) C specify – Customer specify.

Package dimension

(1) Standard package



(2) Mini-size package



Ordering Information

ISLT – –

Center Wavelength	Grade	Single /Dual Stage	Standard / Low PMD	Standard / Mini Size	X	Fiber Type	Fiber Jacket	Fiber Length	Connector Type
3 - 1310 nm 4 - 1480 nm 5 - 1550 nm 9 - 1590 nm X - C Specify	P - P Grade A - A Grade	S - Single Stage	S-Standard PMD L- Low PMD	S - Standard M - Mini size X - C Specify	0	1 - Corning SMF-28	1 - 250 μ m 2 - 2 mm 3 - 3 mm 6 - 1.6 mm 9 - 900 μ m	1 $\geq$ 1m X - C specify	0 - None 1 - FC/UPC 2 - FC/APC 3 - SC/UPC 4 - SC/APC 5 - LC 6 - MU X - C Specify

i.e. : **ISLT-3ASSM0-1110**

Isolator – 1310nm, A grade, single stage, standard PMD, mini size – Corning SMF-28 fiber, 250 μ m diameter, 1 m pigtail length, no connector.

Contact Information

For more information about BATi's' leadership in variable optical attenuation and modulation technology and other optical networking modules and components, visit our website at www.bostonati.com.

To obtain additional technical information or to place an order for this product, please contact us at:

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