

980/1550nm Isolator-WDM Hybrid

Features

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



Application

- Fiber optical amplifier
- WDM systems
- Transmitters and fiber lasers

Specifications

Parameter	Unit		Single Stage	Single Stage (Low PMD)	Dual Stage
Signal Wavelength (λ_s)	nm	-	1525 ~ 1570		
Pump Wavelength (λ_p)	nm	-	950 ~ 1010		
Port configuration			Forward or backward pumped		
Isolation (23°C)	dB	Min	30	30	43
Isolation (0~70°C)	dB	Min	22	22	34
Insertion Loss (Signal Channel)	dB	Max	0.6	0.7	1.0
Insertion Loss (Pump Channel)	dB	Max	0.4	0.4	0.6
Polarization Mode Dispersion	ps	Max	0.25	0.05	0.05
Polarization Dependent Loss	dB	Max	0.15		
Temperature Dependent Loss	dB	Max	0.2		
Fiber Type			Corning Hi 1060 or 980		
Return Loss	dB	Min	50		
Directivity	dB	Min	55		
Power Handling	mW	Max	300		
Operating Temperature	°C	-	-5 ~ 65		
Storage Temperature	°C	-	-40 ~ 85		
Package Dimension	mm	-	$\Phi 5.5 \times 38$ for bare fiber or 900 μm loose tube		

(1) Values referenced without connector loss. Operating temperature and all state of polarization effects are considered.

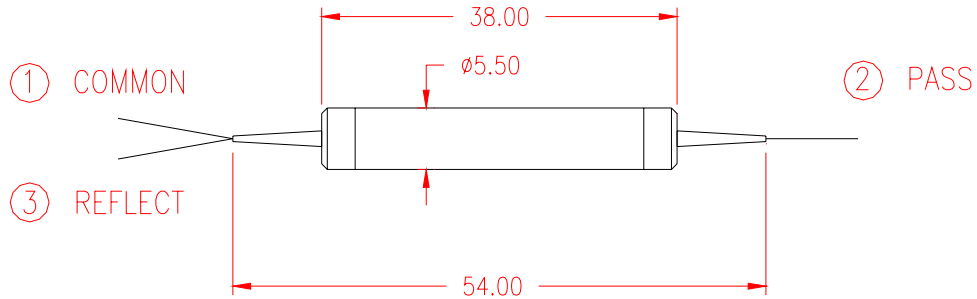
(2)



(3) C specify – Customer specify.

Package dimension

Standard package



Ordering Information

DIST — —

Pump Wavelength	Single Stage /Dual Stage	Signal Wavelength	Forward / Backward	PMD Compensation	Fiber Type	Fiber Jacket	Fiber Length	Connector Type
98 – 980 nm	S – Single Stage D – Dual Stage	C- C band L- L band	F – Forward B – Backward	1 – Low PMD 0 – No PMD Compensation	1 – Corning SMF-28 2 – Corning Hi 1060 3 – Corning Hi 980	1 – 250 μ m 9 – 900 μ m X – C Specify	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.: **IWHD—98SCF0-1110**

Isolator WDM Hybrid – 980nm pump, single stage, forward pump, C band signal, No PMD Compensation – Corning SMF-28 fiber, 250 μ m primary coatings, 1m 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:

Phone: 1-781-935-2800

Fax: 1-781-935-2860

E-mail: sales@bostonati.com