

100 GHz DWDM 3 Port Device

Features

- Low insertion loss
- High isolation
- Epoxy-free optical path
- High stability and reliability
- Telcordia qualification compliant



Application

- Dense WDM module
- CATV fiber optic links
- Long haul networks

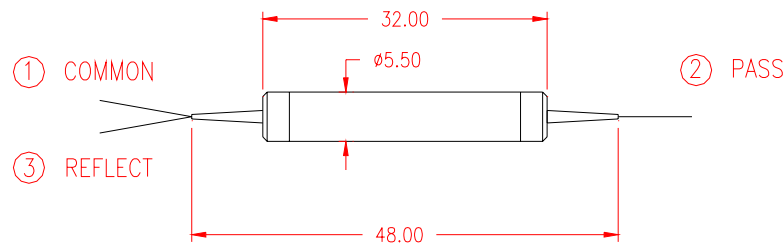
Specifications

Parameter		Unit		Specification
Center Wavelength (λ_c)		nm	-	ITU Grid
Channel Spacing		GHz	-	100
Channel Pass Band		nm	Min	ITU ± 0.11
Insertion Loss	Pass Channel	dB	Max	1.0
	Reflection Channel	dB	Max	0.5
Isolation	Pass Channel (adjacent)	dB	Min	25
	Reflection Channel	dB	Min	13
Pass Channel Ripple		dB	Max	0.4
Temperature Dependent Loss		dB/°C	Max	0.005
Thermal Wavelength Drift		nm/°C	Max	0.001
Polarization Dependent Loss		dB	Max	0.1
Polarization Mode Dispersion		ps	Max	0.1
Return Loss		dB	Min	45
Directivity		dB	Min	50
Power Handling		mW	Max	300
Tensile Load		N	Max	5
Operating Temperature		°C	-	-5 ~ 65
Storage Temperature		°C	-	-40 ~ 85
Package Dimension		mm	-	$\Phi 5.5 \times 32$ mm for 250um bare fiber $\Phi 5.5 \times 38$ mm for 900um loose tube

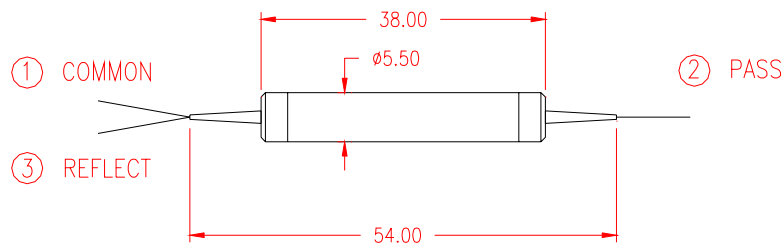
- (1) Values referenced without connector loss. Operating temperature and all state of polarization effects are considered.
(2) Customized dimension is available.
(3) C specify – Customer specify.

Package dimension

P1: SMF-28 bare fiber



P2: 900 μm loose tube



Ordering Information

DWDM – –

ITU Standard	Device /Module	Channel Numbers	ITU Channel Number	Fiber Type	Fiber Jacket	Fiber Length	Connector Type
1 – 100 GHz	3 – 3 Port Device	1 – 1 Channel	ITU Channel Number (see the ITU channel table).	1 – Corning SMF-28	1 – 250 μm 2 – 2 mm 3 – 3 mm 6 – 1.6 mm 9 – 900 μm	1 ≥ 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.: DWDM-131C51-1110

DWDM – 100GHz band separation, 3 port device, 1 channel, ITU channel C51 center wavelength at 1536.61 nm

Corning SMF-28 fiber, 250 μm primary coatings, 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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