CWDM 3 Port Device

Features

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

Application

- Metro optical networks
- CATV System
- WDM System

Specifications

Parameter		Unit		Specification
Center Wavelength (λ_C)		nm	-	"1" Series: 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 "0" Series: 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610
Channel Spacing		nm	-	20
Pass Band Width		nm	Min	$\lambda_C \pm 6.5$
Insertion Loss	Pass channel	dB	Max	0.6
	Reflection channel	dB	Max	0.4
Isolation	Pass channel (adj.)	dB	Min	30
	Pass channel (non-adj.)	dB	Min	45
	Reflection channel	dB	Min	13
Pass Band Ripple		dB	Max	0.3
Temperature Dependent Loss (TDL)		dB/°C	Max	0.003
Thermal Wavelength Drift		nm/°C	Max	0.002
Polarization Dependent Loss (PDL)		dB	Max	0.1
Polarization Mode Dispersion (PMD)		ps	Max	0.1
Return Loss (RL)		dB	Min	45
Directivity (DIR)		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	-	Φ5.5x32 mm for 250μm bare fiber Φ5.5x38 mm for 900μm 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.

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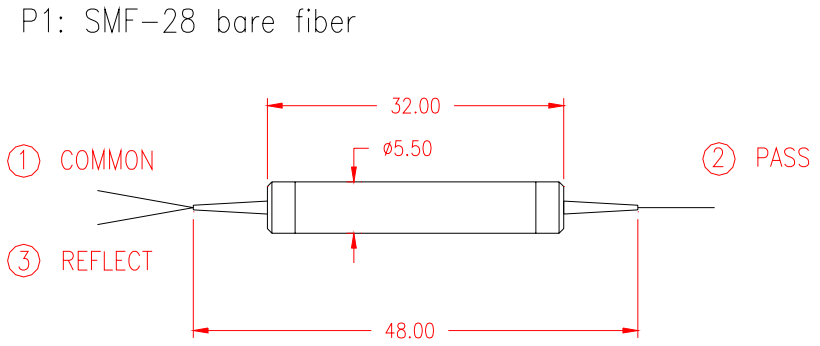
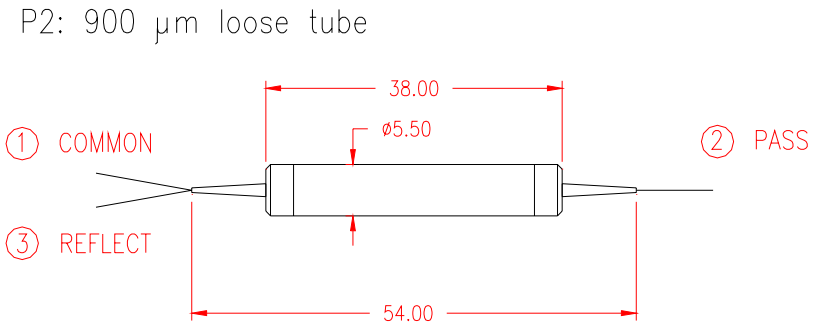
Package dimension





Ordering Information

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Device Type	Series	Center Wavelength
3 – 3 Port Device R – Refect 3 port device	1 – "1" Series 0 – "0" Series	Center Wavelength (four digits)

Fiber Type	Fiber Jacket	Fiber Length	Connector Type
1 – Corning SMF28	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. **CWDM-311551-1110**

CWDM – 3 port device, "1" series, 1551 nm center wavelength – Corning SMF-28 fiber, 250 µm primary coatings, 1 m fiber 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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