

100 GHz DWDM Module (DMUX)

Features

- 100 GHz channel spacing
- Low insertion loss
- High channel isolation
- Epoxy-free optical path
- High stability and reliability

Application

- Access optical networks
- Metro optical networks
- Enterprise networks
- Long haul networks

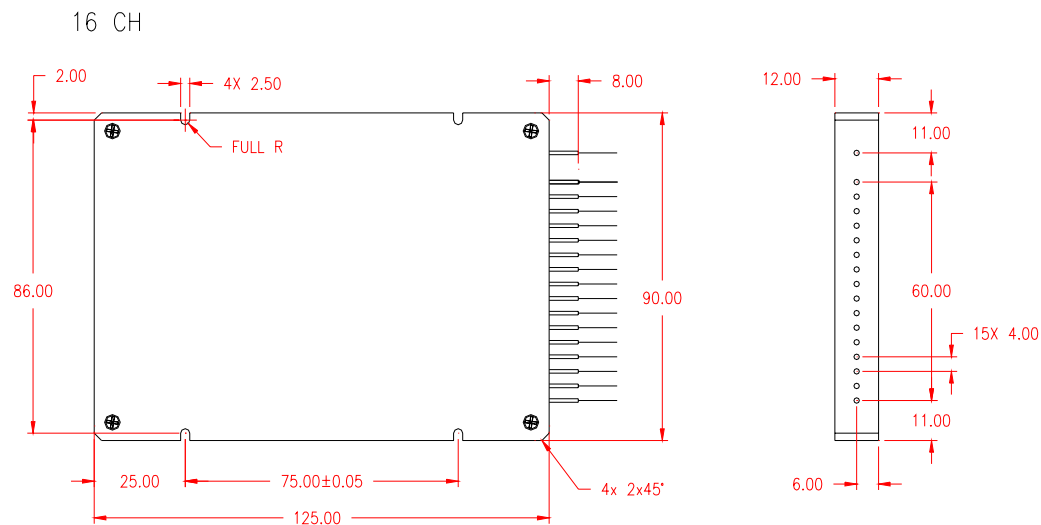


Specifications

Parameter		Unit		4 Channel	8 Channel	16 Channel	32 Channel
Center Wavelength (λ_c)		nm	-	C & L Band, ITU 100 GHz Grid			
Channel Space		GHz		100			
Channel Pass Band		nm	Min	ITU $\pm$ 0.11			
Insertion Loss		dB	Max	1.8	3.2	4.4	6.0
Channel Uniformity (@ λ_c)		dB	Max	0.6	1.2	1.5	2.0
Isolation	Adjacent Channel	dB	Min	25			
	Non-Adjacent Channel	dB	Min	40			
Pass Channel Ripple		dB	Max	0.4			
Polarization Dependent Loss (PDL)		dB	Max	0.1	0.1	0.15	0.15
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	-	100(L) 80(W) 9(H)	100(L) 80(W) 9(H)	120(L) 90(W) 12(H)	165(L) 120(W) 15(H)

- (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



Ordering Information

DWDM – –

ITU Standard	Channel Numbers	First ITU Channel Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector Type
1 – 100 GHz Module	04 – 1x4 Module 08 – 1x8 Module	The Largest channel number (see the ITU Table)	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. **DWDM-104C43-1213**

DWDM – 100 GHz module, 1x4, start from C-band channel 43 (the remaining channels are 42, 41, 40);
– Corning SMF-28 fiber, 2 mm cable jacket, 1 m pigtail length, SC/UPC connectors.

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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