

Dense Wavelength Division Multiplexer – DWDM

> mux or demux, 4, 8 or 16 channels, 200 GHz

Features

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Telcordia Compliant
- 4, 8 or 16 Channels Configuration

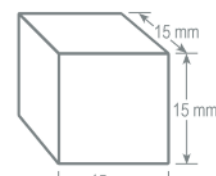
Technical Specifications

Parameter		Unit	Grade "A"			
Channel Spacing		Ch	200 GHz			
Channel Number		Ch	4	8	16	
Central Wavelength (λ_c)		nm	C&L Bands			
Passband		Min. nm	ITU +/- 0.25			
Isolation	Mux	Adjacent Channel	Min. dB	12		
		Non-adjacent	Min. dB	12		
	Demux	Adjacent Channel	Min. dB	30		
		Non-adjacent	Min. dB	40		
Insertion Loss ¹	Mux	Max. dB	1.4	2.6	3.2	
	Demux	Max. dB	1.7	2.9	3.5	
Ripple in Passband		Max. dB	0.5			
Directivity		Min. dB	50			
Polarization Dependent Loss		Max. dB	0.10	0.10	0.10	
Polarization Mode Dispersion		Max. ps	0.10			
Return Loss ²		Min. dB	45			
Fiber Type			Corning SMF-28 with 900 μ m buffer			
Fiber Length		Min. m	1.0 +/- 0.1			
Power Handling		Max. mW	300			
Operating Temperature		$^{\circ}$ C	-5 ~70			
Storage Temperature		$^{\circ}$ C	-40 ~ 85			
Package Dimension	Standard			4	8	16
		Length	Max. mm	120	120	120
		Width	Max. mm	80	80	80
		Height	Max. mm	8	8	14
	Type 1	Length	Max. mm	100	100	100
		Width	Max. mm	80	80	80
		Height	Max. mm	8	8	14
	Type 2	Length	Max. mm	100	100	100
		Width	Max. mm	60	60	70
		Height	Max. mm	8	12	14

¹ Max. insertion loss within channel passband over operating temperature range and all states of polarization without optical connectors. Add 0.2 dB for insertion loss including connectors.

² Return Loss without optical connectors.

Our COLOR-Cubes bring color into play.

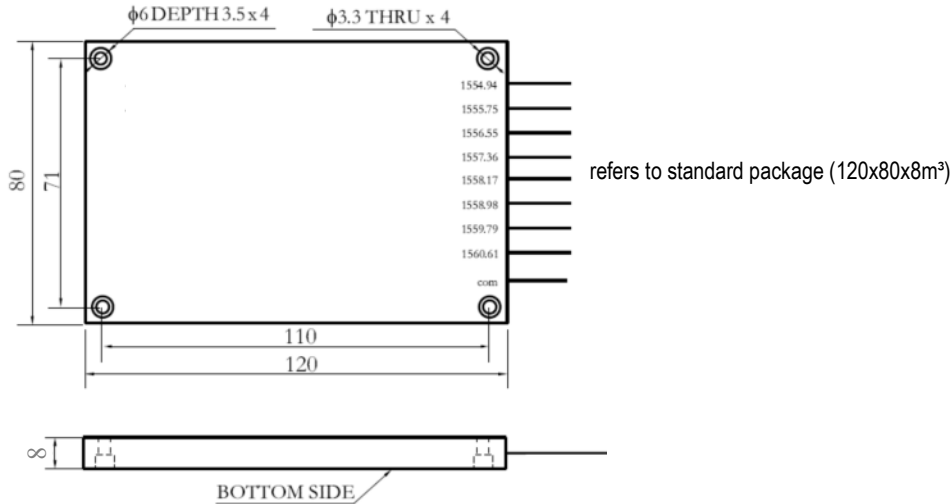


standard cube

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Dimension



Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please write the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact Cube Optics AG at +49-6131-69851-0 or via e.mail at sales@cubeoptics.com, or visit our website at www.cubeoptics.com.

Ordering example: CUBO-DWDM200-04-21-A-D-S-A-33

Channel Number	Initial Channel	Mux / Demux	Fiber length	Connector
04 = 4 channels	21 = 21 st channel	M = Mux	A = 0.5 m	(x) common port Code
08 = 8 channels	:	D = Demux	B = 1 m	none 0
16 = 16 channels	59 = 59 th channel	C = Mux & Demux ¹		SC/PC 1
32 = 32 channels				FC/PC 2
				SC/APC 3
				FC/APC 4
				LC/PC 5
				MU/PC 6
				E2000 7
				E2000/HRL 8
				ST/PC 9

Fiber Type	Packaging
A = 900 μ m loose tube	S = Standard
B = 900 μ m tight buffer fiber	1 = Type 1
C = 2 mm cable	2 = Type 2
D = 3 mm cable	

¹ Please specify the function sketch and outline drawing for Mux & Demux integration package when ordering.

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