

# CWDM

## Extended Band 4, 8, & 16 Channel Module

### ➔ Specifications

Parameter	4 Channels	8 Channels	16 Channels
Operating Wavelength Range	1260-1620 nm		
Center Wavelength ( $\lambda_c$ )	1271, 1291, 1311, 1331, 1351, 1371, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, or 1611 nm		
Channel Spacing	20 nm		
Channel Pass Band	$\geq \lambda_c \pm 6.5$ nm		
Insertion Loss (Pass Band)	$\leq 1.6$ dB	$\leq 2.7$ dB	$\leq 3.7$ dB
Pass Band Ripple	$\leq 0.5$ dB		
Adjacent Channel Isolation	$\geq 30$ dB (demux)		
Non-Adjacent Channel Isolation	$\geq 40$ dB (demux)		
Directivity	$\geq 50$ dB		
Return Loss	$\geq 45$ dB		
PDL	$\leq 0.15$ dB	$\leq 0.2$ dB	
Maximum Power	300 mW		
Operating Temperature	$-5^\circ\text{C}$ to $+65^\circ\text{C}$		
Storage Temperature	$-40^\circ\text{C}$ ~ $+85^\circ\text{C}$		
Package Dimensions (in mm)		110 x 90 x 7	110 x 90 x 12
	MD Packaging	110 x 90 x 7	110 x 90 x 12

Note1: All values specified are without connectors.

Note2: Higher performance specifications are available upon request.

Note3: Fiber type Corning SMF-28e.

Note4: Channel count is from low to high for mux and high to low for demux if mux & demux are packaged in one cassette. In this case the first channel & last channel in P/N is for mux

### ➔ Ordering Information

E	C	W	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Channels	Module Type	First Channel	Last Channel	Fiber Length	Pigtail Style (=Package Style)	Connector													
4: 4 ch	M: Mux	1: 1471 9: 1271	1: 1471 9: 1271	A: 1 meter	B: Bare fiber	0: None	7: LC/UPC												
8: 8 ch	D: Demux	2: 1491 10: 1291	2: 1491 10: 1291	B: 1.5 meter	L: 900 $\mu\text{m}$ loose tube	1: FC/PC	8: LC/SPC												
16: 16 ch	MD: Mux & Demux in One cassette	3: 1511 11: 1311	3: 1511 11: 1311			2: FC/APC	9: Special												
		4: 1531 12: 1331	4: 1531 12: 1331			3: SC/PC	A: FC/UPC												
		5: 1551 13: 1351	5: 1551 13: 1351			4: SC/APC	B: SC/UPC												
		6: 1571 14: 1371	6: 1571 14: 1371			5: FC/SPC	C: ST												
		7: 1591 15: 1431	7: 1591 15: 1431			6: SC/SPC													
		8: 1611 16: 1451	8: 1611 16: 1451																