

PRODUCT INFORMATION SHEET

Coarse Wavelength Division Multiplexer Module (4 channels / 8channels) (CWDM series)

The Coarse WDM Module is expanding the bandwidth of Metro/Access Networks. The 4-channel and 8-channel CWDM modules are based on Coarse Wavelength Division Multiplexer devices. They can act as MUX/DEMUX with 20nm channel spacing. It has low insertion loss, low PDL, high isolation and good thermal stability.



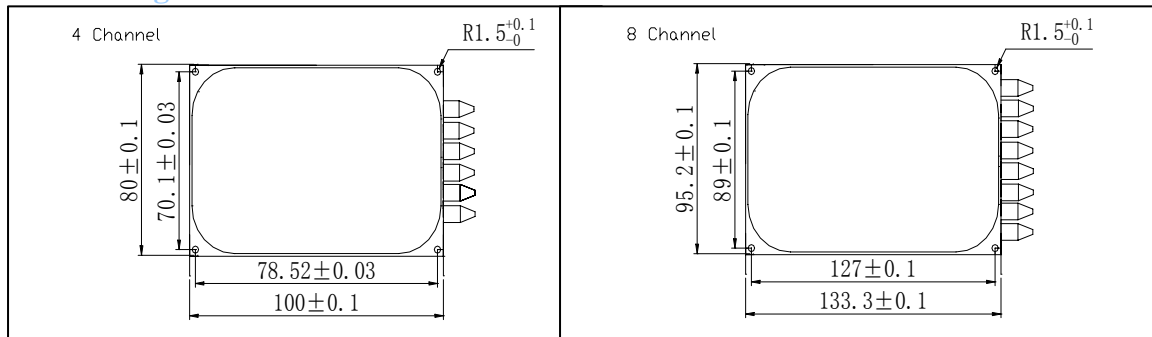
Specifications

Parameters	Unit	4-channel	8-channel
Center Wavelength	nm	1511- 1571 or 1510-1570	1471-1611 or 1470-1610
0.5dB Pass Bandwidth	nm	≥13	≥13
Insertion Loss	dB	≤1.5	≤2.0
Adjacent Ch .Isolation (Mux)	dB	N/A	N/A
Adjacent Ch .Isolation (Demux)	dB	≥25	≥25
Return Loss	dB	≥50	≥50
Directivity	dB	≥55	≥55
PDL	dB	≤0.1	≤0.1
PMD	ps	≤0.2	≤0.2
Thermal Stability	℃	≤0.005	≤0.005
Fiber Type		SMF-28 Fiber	SMF-28 Fiber
Operating Temperature	℃	-5 to+70	-5 to+70
Storage Temperature	℃	-40 to +85	-40 to +85
Package Dimensions	mm	100*80*9.5	133.3*95.2*9.5

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering Information

CWDMM-①-②-③-④-⑤-⑥

① Module Type M -MUX D -DEMUX	② Number of Channels 4 - 4 channels 8 - 8 channels	③ Wavelength 11 - 1511nm,1531nm,1551nm,1571nm 10 - 1510nm,1530nm,1550nm,1570nm 21 - 1471nm,1491nm,1591nm,1611nm 20 - 1470nm,1490nm,1590nm,1610nm 51-1471nm, 1491nm, 1511nm, 1531nm 1551nm, 1571nm, 1591nm, 1611nm 50-1470nm, 1490nm, 1510nm, 1530nm 1550nm, 1570nm, 1590nm,1610nm 31- 1471nm, 1491nm, 1511nm, 1531nm 30- 1470nm, 1490nm, 1510nm, 1530nm	④ Connector Type N - None S -Specify
⑤ Fiber Type B - 250um bare L - 900um loose tube C - 3mm loose cable S -Specify	⑥ Fiber Length 1 - 1.0 m S -Specify		