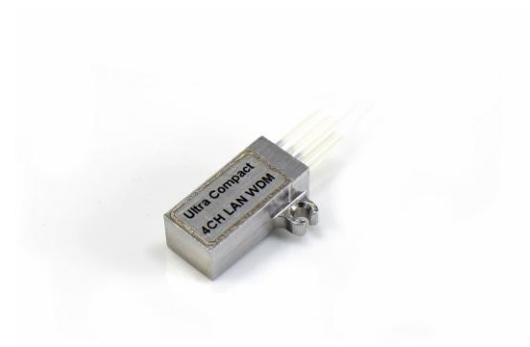
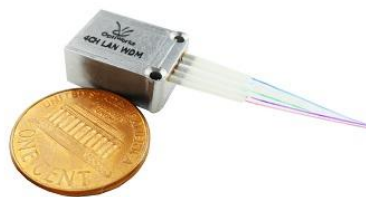




Ultra Compact 4CH LAN WDM Module



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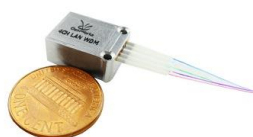
1. Performance

This document proposes the specifications of Ultra Compact 4CH LAN WDM Module:

Item	Units	Specification			
		Min	Typical	Max	
Channels	4		4		
Channel Spacing	GHz		800		
Passband Width	nm	-1.1	λ_{center}	+1.1	
ITU Wavelength	CH1	nm	1294.53	1295.56	1296.59
	CH2		1299.02	1300.05	1301.09
	CH3		1303.54	1304.58	1305.63
	CH4		1308.09	1309.14	1310.19
Center Wavelength	nm		1295.56/1300.05/ 1304.58/1309.14		
Insertion Loss(include connector loss)	dB			1.6	
PDL	dB			0.5	
Passband Flatness	dB			0.5	
Adjacent Channel Isolation	dB	25 for demux 15 for mux			
Non-Adjacent Channel Isolation	dB	35 for demux 15 for mux			
TDL	dB			0.5	
Directivity	dB	50			
Return Loss	dB	45			
Fiber Type		250um Corning ClearCurve Fiber			
Minimum bending radius	mm	7.5			
Fiber intensity	kpsi			200	
Package Size(LxWxH)	mm	18.85x10.0x6.5 or 20x8x6			
Tensile load	N	5			
Pass Channel IL Uniformity	dB			0.8	
Operating temperature	°C	-5-80			
Storage temperature	°C	-40-85			

Note:1. Include the Connectors insertion loss.

2. Ultra Compact CWDM module size reference



20x8x6mm



18.85x10.0x6.5mm

3. RoHS appliance. GR-1209-Core, GR-1221-Core Generic Requirement

and test standard.

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