

LAN-WDM Module Spec



LAN WDM module is a TFF (film filter) wave separation multiplexing technology, using a free space structure packaging method, its package size compared with traditional passive modules greatly reduced, and the insertion loss is lower, better consistency, in line with industry-grade standards, suitable for 40G/100G CFP optical modules, widely used in data centers, cloud computing, metro network and other fields.

Features

- Low Insertion Loss
- High isolation
- Good uniformity
- Low PMD
- High stability and reliability

Application

- 40G CFP module
- 100G CFP module
- Metro network



Performance Specifications

Parameters	Specifications		Unit
	4CH	12CH	
Operating Wavelength	1260-1360		nm
Channel Wavelength	1269.23/1273.54/1277.89/ 1282.26/1286.66/1291.10/ 1295.56/1300.05/1304.58/ 1309.14/1313.73/1318.35		nm
Channel Spacing	800		GHz
Insertion Loss ¹	≤1.8	≤3.2	dB
Isolation	Adjacent	≥30	dB
	Non-adjacent	≥40	dB
Insertion Loss Temperature Sensitivity	≤0.5		dB
Ripple	≤0.5		dB
Wavelength Temperature Shifting	≤0.002		nm/°C
Polarization Dependent Loss	≤0.2		dB
Polarization Mode Dispersion	≤0.1		ps
Directivity	≥50		dB
Return Loss	≥45		dB
Maximum Power Handling	300		mW
Operating Temperature	-10~+70		°C
Storage Temperature	-40~+85		°C
Package size	L80×W58×H8	L120×L80×H18	mm

*Notes: 1. Insertion Loss tested without connector.

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Order information:

LWDM ModulePN: LWDM-XXXXXXXX-XX (LWDM+9 Code+2 Serial Number)

LWDM	X	XXX	X	X	X	X	X	X	XX					
	Channel	Start Wavelength	Package Type	Fiber Jacket	Fiber Length	Connector	Type							
1	1CH	269	1269.23	A	21×12.9×6.4	0	250um Bare Fiber	0	0.5m	0	none	M	Mux	
2	2CH	273	1273.54	B	ABS:80×58×8	1	0.9mm Loose	1	1.0m	1	SC/UPC	D	Demux	
3	3CH	277	1277.89	C	ABS:80×60×12	2	2.0mm Loose	2	1.5m	2	SC/APC	A	Mux+Demux	S
4	4CH	282	1282.26	D	ABS:100×45×10	3	3.0mm Loose	3	2.0m	3	FC/UPC	B	(M)+UPG	N
5	5CH	286	1286.66	E	ABS:100×80×10	4	0.9mm Tight Tube	4	2.5m	4	FC/APC	C	(D)+UPG	
6	6CH	291	1291.10	F	ABS:120×80×18	5	2.0mm Tight Tube	5	3.0m	5	LC/UPC	E	(M)+TAP+UPG	
7	7CH	295	1295.56	G	ABS:140×114×18	6	3.0mm Tight Tube	6	3.5m	6	LC/APC	F	(D)+TAP+UPG	
8	8CH	300	1300.05	H	Metal Box	M	MM Fiber	7	0.7m	7	ST/UPC	S	Special	
9	9CH	304	1304.58	J	Insert Box	P	PM Fiber	8	1.2m	8	E2000			
A	10CH	309	1309.14	K	Rackmount	S	Special	9	2.7m	9	MPO			
B	11CH	L	LGX Box			S	Special	S	Special			
C	12CH	00S	Special	M	Pallet Type									
				S	Special									



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