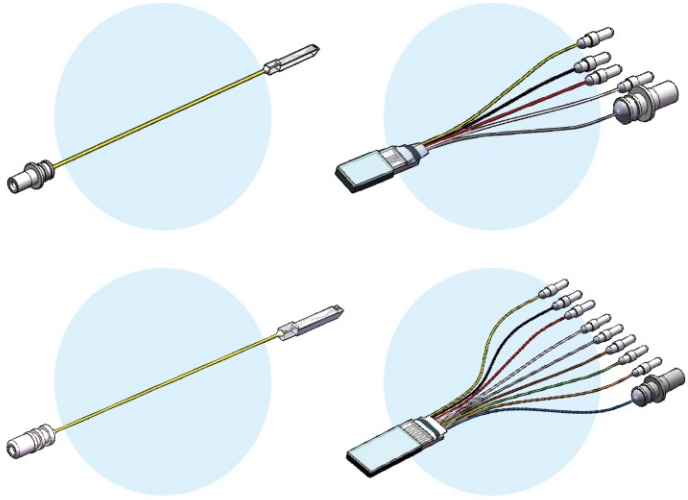
LAN-WDM4/8 AWG

Agilecom LWDM4 AWG Mux & Demux products are excellent solutions for 100G, 200G or 400G high data rate transceivers. Agilecom can also offer 8 channel LAN WDM AWG products upon requests.



Key Features

- High Stability and Reliability
- Low Insertion Loss
- Low PDL
- Multi-channel Number
- Small Volume
- High Center Wavelength Accuracy

Applications

- WDM Transmission
- Data Center Transceiver

Specifications

Parameters	Region	Measure from => to	Unit		LAN-WDM AWG	
					MUX	DEMUX
Number of Channels			ch		4	
Spectral Region			nm		1300 Region	
Channel Spacing			GHz		800	
Center Wavelength			—		1295.56nm (231.4THz).	
					1300.05nm (230.6THz).	
					1304.58nm (229.8THz).	
					1309.14nm (229.0THz).	
Center Wavelength Accuracy			nm		± 1	
Bandwidth	1-dB Bandwidth (Compared with Wavelength)		nm		>2.2	>2.8
Insertion Loss	Center Wavelength	Channels=>COM	Max	dB	IL≤4.5	IL≤2.5
Uniformity	ILMax – ILMin(All Channels)		Max	dB	1.25	1.25
Isolation	Adjacent Channel	COM => Channels	Min	dB	NA	20
	Non-adjacent Channel	COM => Channels			NA	26
Ripple	Passband	Channels => COM	Max	dB	1.25	1.25
Polarization Dependant Loss			Max	dB	0.7	0.7
Temperature Dependant Loss(0~80°C)			Max	dB	0.5	0.5
Polarization Mode Dispersion			Max	ps	0.2	0.2
Power Handling			Max	mW	300	
Operating Temperature			°C		-5 to 70	
Storage Temperature			°C		-40 to 85	

Order Information:

LWDMM — □ □ □ □□□ □ □ □ □ □

Code	Type
M	Mux
D	Demux
X	Customized

Code	Channel
4	4
8	8
X	Customized

Code	Data Rate
0	40G
1	100G
2	200G
4	400G
X	Customized

Code	Start Wavelength(nm)
0	1273.55
1	1295.56
X	Customized

Code	Channel Pitch
1	250μm
2	500μm
3	750μm
X	Customized

Code	Pigtail Type
1	250μm Bare Fiber
2	350μm Tight Tube
3	500μm Tight Tube
X	Customized

Code	Input Connector
0	None
1	LC Ferrule
2	LC Receptacle
X	Customized

Code	Output Connector
0	None
1	LC Ferrule
2	LC Receptacle
X	Customized