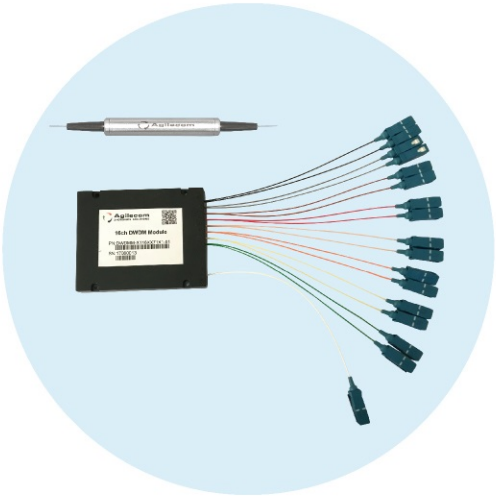
DWDM

Agilecom's Dense Wavelength Division Multiplexer (DWDM) devices and modules utilize thin-film filter technology and are available on ITU channel with spacing of 100GHz and 200GHz. They are in compliance with Telcordia GR-1221, offering low loss, guaranteeing temperature insensitivity and reliable performance in all applications.



Key Features

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Excellent Thermal Stability

Applications

- DWDM System
- Access Networks
- Long Haul Networks
- Metro Networks
- CATV System

Specifications

Parameters		Unit	Specifications	
Channel Central Wavelength		nm	C/L band, ITU-T grid	
Channel Spacing		nm	0.8 (100GHz)	1.6 (200GHz)
Channel Passband		nm	ITU±0.11	ITU±0.25
Transmission Insertion Loss	Max	dB	0.8 (Typ 0.6)	0.7 (Typ 0.6)
Reflection Insertion Loss	Max	dB	0.4 (Typ 0.3)	0.4 (Typ 0.3)
Passband Ripple	Max	dB	0.5	0.5
Transmission Isolation	Min	dB	30	30
Reflection Isolation	Min	dB	13	13
Return Loss	Min	dB	45	45
Directivity	Min	dB	50	50
Polarization Dependent Loss	Max	dB	0.15	0.1
Polarization Mode Dispersion	Max	ps	0.1	0.1
Insertion Loss Temperature Sensitivity	Max	dB/℃	0.005	0.005
Power Handling	Max	mW	500	
Operating Temperature		℃	-10~70	
Storage Temperature		℃	-40~85	
Package Dimension		mm	5.5×L34	

Order Information

DWDMM — □ □ □ □ □ □ □ □ □ □

Code	Type
M	Mux
D	Demux
A	Mux+Demux
U	Uniformity
X	Customized

Code	Channel Spacing
1	100G
2	200G

Code	Channel
04	4
08	8
16	16
20	20
XX	Customized

Code	Start Wavelength
20	C20
21	C21
22	C22
XX	Customized

Code	Package Type(LxWxH)
7	100x80x10mm
8	141x115x18mm
9	120x80x18mm
A	Classis
B	LGX
X	Customized

Code	Pigtail Type
1	900um Loose Tube
2	2.0mm Loose Tube
3	3.0mm Loose Tube
4	900um Tight Tube
5	2.0mm Tight Tube
6	3.0mm Tight Tube
X	Customized

Code	Pigtail Length(m)
1	0.5
2	1.0
3	1.5
4	2.0
5	2.5
6	3.0
A	1.25
B	1.75
C	2.25
X	Customized

Code	Connector
0	None
1	SC/UPC
2	SC/APC
3	FC/UPC
4	FC/APC
5	LC/UPC
6	LC/APC
7	ST/UPC
8	MU
X	Customized