

## Dense Wavelength Division Multiplexer Mux/Demux Module

### 1. Features:

- Low insertion loss
- High isolation
- High Return Loss
- Excellent environmental stability and reliability



### 2. Applications:

- DWDM System
- PON Networks
- Communication System
- CATV Links



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS



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## 4. Specifications:

Parameters							
Channel Space (GHz)		100			200		
Channel Number		1*4	1*8	1*16	1*4	1*8	1*16
Center Wavelength (nm)		ITU Grid					
Center Wavelength Accuracy (nm)		± 0.05			± 0.1		
Channel Passband (@-0.5dB) (nm)		0.22			0.5		
Fiber Type		SMF-28e with 900um loose tube or customer specified					
IL (dB)		1.8	3.0	4.0	1.7	2.9	3.8
Passband Ripple (dB)		0.35	0.4	0.5	0.35	0.4	0.5
Isolation (dB)	Adjacent Channel	25			28		
	Non-Adjacent Channel	40					
PDL (dB)		0.2					
PMD (ps)		0.1					
RL (dB)		45					
Directivity (dB)		50					
Maximum Optical Power (mw)		300					
Operating Temperature (°C)		-40~85					
Storage Temperature (°C)		-40~85					
BOX Package (mm)		100*80*10 or 140*115*18					
LGX Package		1U,2U					
19" Rack mount Package		1U					

\*The specifications are w/o connector.

\* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

\* For device with connector, key aligned to slow axis.

## 5. Product Ordering information:

DWDMM		X	X X	X	XXX	XX	XX
Product Description	Port Type	Module Type	Center Wavelength	Pigtail Type	Input&output Connector Type	Package Size	Fiber Length
DWDMM 100G	1X2	M=Mux	21=21CH	0=250um	0=None	PL=140X115X18Plastic	05=0.5m
DWDMM 200G	1X4	D=Demux	23=23CH	1=900um	1=FC/UFC	PM=120X80X18Plastic	08=0.8m
	1X8	1=Mux&1310 Port	.....	2=2mm	2=FC/APC	PL=100X80X10Plastic	10=1.0m
	1X16	2=Demux&1310 Port	49=49CH	3=3mm	3=SC/UPC	LX=LGX BOX,Metal	12=1.2m
		3=Mux&Upgrade			4=SC/APC	19=19 1U Rack-mount	
		4=DeMux&Upgrade			5=LC/UPC		
		5=Mux&1310			6=LC/APC		

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		Port&Upgrade					
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