

100GHz DWDM Module (DWDM)

Features	
Low Insertion Loss High Channel Isolation High stability and reliability Epoxy Free Optical Path	
Application	
DWDM Network Wavelength Routing Fiber Optical Amplifier CATV Fiberoptic System	

Specifications

Type		4 ch	8 ch	16ch	32ch	40ch
Parameter		ITU 100 GHz Grid				
Channel Wavelength (nm)		ITU 100 GHz Grid				
Center Wavelength Accuracy (nm)		± 0.05				
Minimum Channel Spacing (GHz)		100 (0.8nm)				
Channel Passband (@-0.5dB bandwidth) (nm)		> 0.22				
Insertion Loss (dB)		< 1.8	< 3.2	< 4.2	< 5.4	< 6.0
Channel Uniformity (dB)		< 0.6	< 1.0	< 1.5	<2.0	< 2.0
Channel Ripple (dB)		< 0.3				
Isolation	Mux	Adjacent	N/A			
		Non-adjacent	N/A			
	Demux	Adjacent	> 25			
		Non-adjacent	> 35			
Insertion Loss Temperature Sensitivity (dB/°C)		< 0.003				
Wavelength Temperature Shifting (nm/°C)		< 0.002				
Polarization Dependent Loss (dB)		< 0.10		< 0.25		< 0.30
Polarization Mode Dispersion (ps)		< 0.10				
Directivity (dB)		> 50				
Return Loss (dB)		> 45				
Power Handling (mW)		300				
Operating Temperature (°C)		0 ~+70				
Storage Temperature (°C)		-40 ~+85				
Package Dimension (mm)		110 x 95 x 7.5	150x95x20	150x95x25	150x110x19	

Ordering Information:

DWDM	Type	Spacing	Channel Type	1 st ITU Channel	Pigtail Type	Fiber Type	Length	Connector
	M=Mux D=Demux	1=100G hz	4=4ch 8=8ch 16=16ch 32=32ch 40=40ch	21=21ch 22=22ch 60=60ch	900=900um loose tube 2000=2mm loose tube 3000=3mm loose tube	1=SMF- 28e	1= 1m X=Spe cify	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC LA=LC/APC XX=Other