

# 100G 40CH DWDM MUX DEMUX

100G 40CH DWDM AAWG MUX DEMUX, LC/UPC, 1U Rack



## Product Features

- ❖ High stability and reliability
- ❖ Low Insertion Loss
- ❖ Low PDL
- ❖ High Channel Isolation
- ❖ Multi-channel number

## Applications

- ❖ WDM transmission
- ❖ WDM based ADM
- ❖ Metro and long haul net works
- ❖ Wavelength selective routing
- ❖ Optical signal processing

## Description

Our Dense Wavelength Division Mux/Demultiplexer Athermal Arrayed Waveguide Grating(AAWG) Modules are part of a series of high performance products based on silica-on-silicon planar technology and a unique athermal packaging design requiring no electrical power, software or temperature control for a completely passive DWDM solution. This product range offers a combination of very low loss and high channel isolation along with long term reliability .Each module can perform Mux and Demux functions. Both C- and L-band devices are available with flat top spectral response. Custom frequency grids, fiber types and connector options are also available.

## Specification

Parameter		Unit	Specifications	
Operation Wavelength		GHz	C21-C60	
Channel Spacing		GHz	100	
Number of channels			40	
Wavelength Accuracy	Max	nm	0.05	
Insertion Loss	Max	dB	5.5	
-1dB passband	Min	nm	0.3	
-3dB passband	Min	nm	0.5	
Isolation	Adjacent Channel	Min	dB	25
	Non-adjacent Channel	Min	dB	30
Total Crosstalk		Min	dB	23
Ripple in Passband		Max	dB	0.75
Polarization Dependent Loss		Max	dB	0.5
Uniformity		Max	dB	1.5
Directivity		Min	dB	50
Return Loss		Min	dB	45
Polarization Mode Dispersion		Max	ps	0.5
Power Handling		Max	mW	300
Fiber Type			Corning SMF-28 / SMF-28e or customize	
Operating Temperature		°C	5~70	
Storage Temperature		°C	-40~85	
19" Rack mount Package		mm	1U, (L)230×(W)482×(H)44	

## Ordering Information

Part Number	Product Description
FM-DWMD40-C2160	DWDM MUX DEMUX 40CH (C21-C60) LC/UPC Dual Fiber 1U Rack
Others	Customer Specified