

# ARioonet DWDM(40ch)

## Description

Rack mont 40ch dwdm is based on the silica on silicon technology and no electrical power is required. The product offers high stability and reliability, and has small package size.

The product is Telcordia GR-1221-CORE qualified, and RoHS compliant.

## Features

- Athermal design operates over operating temperature range
- Large channel number
- Compact size
- High stability and reliability
- Low insertion loss, high isolation increase system margin

## Applications

- WDM transmission
- Metro and long haul network

## Compliance

- Telcordia GR-1221-CORE
  - RoHS

## Specifications

Parameter		Unit	Value	
Pass Band Type			<b>Flat-top</b>	Gaussian
Channel Spacing		GHz	100	
Channel Number			48/40	
1dB Pass Band		nm	≥0.38	0.2
3dB Pass Band		nm	≥0.58	0.4
1 Insertion Loss		dB	≤5.5	≤4.2
Ripple		dB	≤0.3	
Uniformity		dB	≤1.5	
Adjacent Crosstalk		dB	>30	
Non-adjacent Crosstalk		dB	>40	
Polarization Dependent Loss(PDL)		dB	<0.1	
2 PMD		ps	<0.1	
Return Loss		dB	≥45	
Fiber	Input Port	mm	Φ0.9	
	Output Ribbon	—	—	
	Fan Out	mm	Φ0.9	
Operation Temperature		℃	-20~+70	
Storage Temperature		℃	-40~+85	

Package	mm	120x70x11
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Notes : 1. Without connector loss. 2. Design guarantee.

### Mechanical Dimensions

Standard

19"1U



### Ordering information

AAWGM	-	xx	x	x	x	xx	xxx	-	x	x
		Package	Module Type	Channel Space	Passband profile	Channel Number	Start Channel		Com	Pass
A=Athermal		1U=1U	M=Mux	1=100GHz	F=Flat-top	32=32	C17=C17		0=None	0=None
A=Array		2U=2U	D=Demux	2=50GHz	G=Gauss	40=40	C21=C21		1=FC/UPC	1=FC/UPC
W=Wavelength		Standard	1=Mux and Demux			48=48			2=FC/APC	2=FC/APC
G=Grating								3=SC/UPC	3=SC/UPC	
M=Module								4=SC/APC	4=SC/APC	
								5=LC/UPC	5=LC/UPC	
									6=LC/APC	6=LC/APC