
ARIOONET DWDM Mux/DeMux Module

1. Features

- ◆ Very Low Insertion Loss
- ◆ High Isolation
- ◆ Low PDL
- ◆ Compact Design
- ◆ Good channel-to-channel uniformity
- ◆ Wide Operating Wavelength:C17~C63
- ◆ Optical Path Epoxy Free
- ◆ Telcordia 1221 Compliant

- ◆ Wide Operating Temperature:
From -40°C to 85°C
- ◆ High Reliability and Stability

2. Applications ◆

DWDM System

- ◆ PON Networks
- ◆ CATV Links
- ◆ With DWDM SFP , DWDM XFP for a solution

4. Specifications 1×N

DWDM Mux/Demux Module

Parameters		
Channel Space (GHz)	00 g(standard)	200

Channel Number		1*4	1*8&16	1*40	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	2.8	3.8	1.7	2.9	3.5
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					

Notes:Specified without connectors.

1. Add an additional 0.2dB loss per connector.
- 3, more than 32channels, suggest of using **Athernal AWG**

5. Ordering information

DWDM Mux/Demux Module

AR-DWMUX40-XX-LCSR	40 channel DWDM MUXDEMUX	Customized wavelength(aawg)
AR-DWMUX08-XX-LCSR	8 channel DWDM MUXDEMUX	Customized wavelength
AR-DWMUX08-XX-LCSR	8+1 channel DWDM MUXDEMUX	Customized wavelength with one monitor
AR-DWMUX04-XX-LCSR	4channel DWDM MUXDEMUX	Customized wavelength

xx = start channels

Normal parts information



