

DWDM AAWG MUX DEMUX 1U RACK

Description

AAWG athermal arrayed waveguide grating DWDM MUX DEMUX which has Gaussian type and Flat-Tap type is designed for ITU channel spacing application without electrical power required. It is available in 40, 48 or 80 channels.

AAWG provides extremely excellent optical performance, high reliability, ease of fiber handling and power saving solution to allow full use of the bandwidth a dark fiber can offer.

Features:

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

Product Order information

NO.	PART NAME	PART NO.	Product Des.
Dual fiber			
1	DWDM Devices	FZ-DWD40-1U01-C2160	DWDM MUX DEMUX 40ch (C21-C60nm) Dual fiber LC/UPC 1U Rack
2	DWDM Devices	FZ-DWD40-1U01-C2160-31	DWDM MUX DEMUX 40ch (C21-C60nm) with 1310nm Port Dual fiber LC/UPC 1U Rack
3	DWDM Devices	FZ-DWD40-1U01-C2160-31-M	DWDM MUX DEMUX 40ch (C21-C60nm) with 1310nm and MON Port Dual fiber LC/UPC 1U Rack
Single fiber(used in pair)			
1	DWDM Devices A	FZ-DM40-1U01-C2160	DWDM MUX/DEMUX 20ch 40wavelengths (TX C21-C40/ RX C41-C60) single fiber LC/UPC 1U Rack
	DWDM Devices B	FZ-DD40-1U01-C2160	DWDM MUX/DEMUX 20ch 40wavelengths (TX C41-C60/ RX C21-C40) single fiber LC/UPC 1U Rack
Others		Support Customized Design	

Product specification

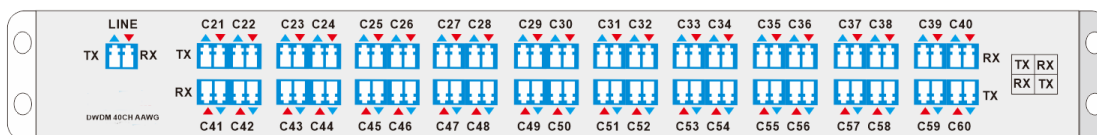
Parameter		Unit	Specifications			
ITU Band		GHz	ITU, C-band			
Channel Spacing		GHz	100			
Number of channels			40C H	40CH+1310	40CH+1310+MON	
Wavelength accuracy		Max	nm	0.05		
Insertion Loss	Gaussian AAWG	Max	dB	3.5	3.8	4.2
	Flat-Top AAWG	Max	dB	5.5	5.8	6.2
-1dB passband		Min	nm	0.3		
-3dB passband		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	Weight			1.7kg		
	Dimensions		mm	440*230*44MM		

Product Panel

Dual fiber

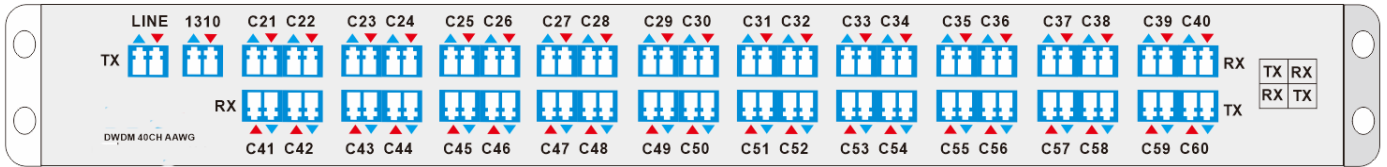
FZ-DWD40-1U01-C2160

DWDM MUX DEMUX 40ch (C21-C60nm) Dual fiber LC/UPC 1U Rack



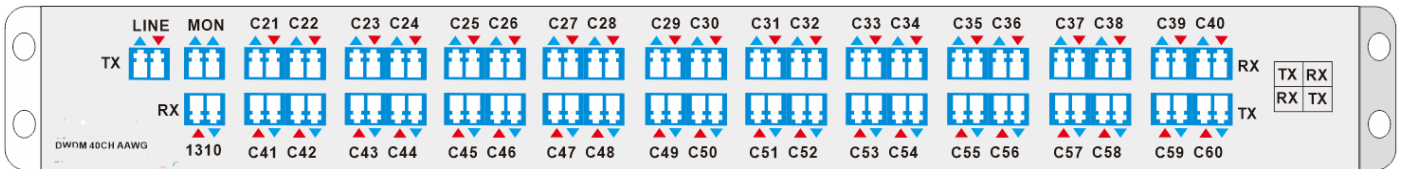
FZ-DWD40-1U01-C2160-31

DWDM MUX DEMUX 40ch (C21-C60nm) with 1310nm Port Dual fiber LC/UPC 1U Rack



FZ-DWD40-1U01-C2160-31-M

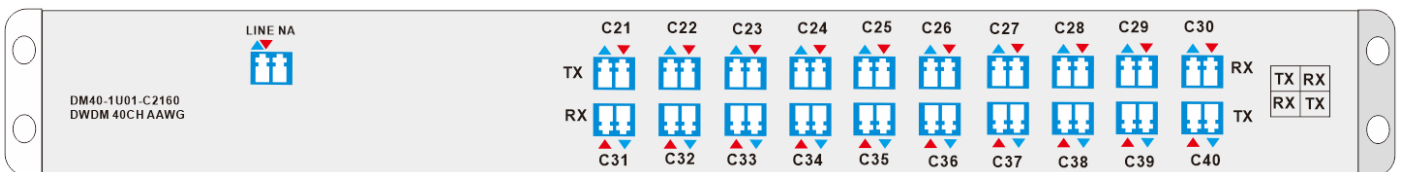
DWDM MUX DEMUX 40ch (C21-C60nm) with 1310nm and MON Port Dual fiber LC/UPC 1U Rack



Single fiber

FZ-DM40-1U01-C2160

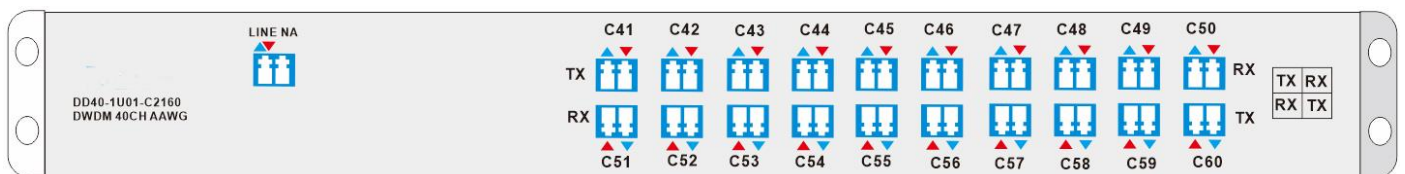
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DWDM Devices A

FZ-DD40-1U01-C2160

WDM MUX/DEMUX 20ch 40wavelengths (TX C41-C60/ RX C21-C40) single fiber LC/UPC 1U Rack



DWDM Devices B