

PRODUCT ENGINEERING SPECIFICATION

Product Name: 40CH 100GHz DWDM Demux

Product Number: NDWDM-40-D-2160 ITU-19

Product Description: 40 Channel DWDM Demux
Wavelength: 100GHz C21-C60
Connector: LC/UPC, 1U 19" Rack

40CH 100GHz DWDM Demux 1U Rack

1. Product Description:

Description: 40CH 100GHz DWDM Demux, Fiber Type: SMF-28e, Single Fiber, Wavelength Channel: C21-C60, Package: 1U 19" Rack, Connector: LC/UPC.

2. Specifications:

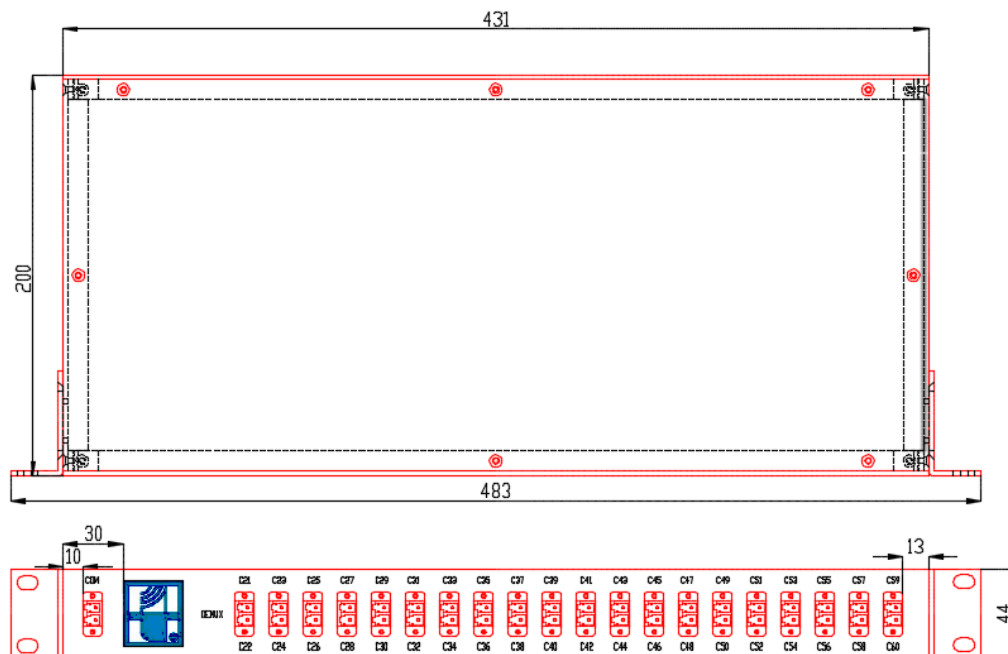
Parameter	Unit	Value
Input Number of Channels	-	1
Output Number of Channels	-	40
Product Type	-	Flat-top Demux
Channel Spacing	GHz	100
Operating Band	THz	ITU-T Grid
Channel Central Wavelength	nm	C21-C60
Center Wavelength Accuracy	nm	±0.04
Passband Bandwidth	nm	±0.11
1dB Bandwidth	nm	>0.38
3dB Bandwidth	nm	>0.56
Insertion Loss	dB	<6.0
Ripple	dB	<0.8
Insertion Loss Uniformity	dB	<1.2
Adjacent Channel Crosstalk	dB	>20
Non-Adjacent Channel Crosstalk	dB	>25
Total Crosstalk	dB	>20
Polarization Dependent Loss	dB	<0.5
Polarization Mode Dispersion	ps	<0.5
Chromatic Dispersion	ps/nm	±20
Return Loss	dB	>40
Power Handling	mW	<500
Connector Type	-	LC/UPC
Package Dimension	-	1U 19" Rack Chassis
Operating Temperature	°C	-5 ~ +65
Storage Temperature	°C	-40 ~ +85

Note: The above parameter is without connector. If with connector, IL will increase by 0.3dB.

3. Channel Central Wavelength

Part Number	Demux Port	Demux Port
NDWDM-40-D-2160 ITU-19	C60:1529.55nm	C40:1545.32nm
	C59:1530.33nm	C39:1546.12nm
	C58:1531.12nm	C38:1546.92nm
	C57:1531.90nm	C37:1547.72nm
	C56:1532.68nm	C36:1548.52nm
	C55:1533.47nm	C35:1549.32nm
	C54:1534.25nm	C34:1550.12nm
	C53:1535.04nm	C33:1550.92nm
	C52:1535.82nm	C32:1551.72nm
	C51:1536.61nm	C31:1552.52nm
	C50:1537.40nm	C30:1553.33nm
	C49:1538.19nm	C29:1554.13nm
	C48:1538.98nm	C28:1554.94nm
	C47:1539.77nm	C27:1555.75nm
	C46:1540.56nm	C26:1556.55nm
	C45:1541.35nm	C25:1557.36nm
	C44:1542.14nm	C24:1558.17nm
	C43:1542.94nm	C23:1558.98nm
	C42:1543.73nm	C22:1559.79nm
	C41:1544.53nm	C21:1560.61nm

4. Outline Drawing (unit: mm):



5. Label Diagram:



6. Test Report:

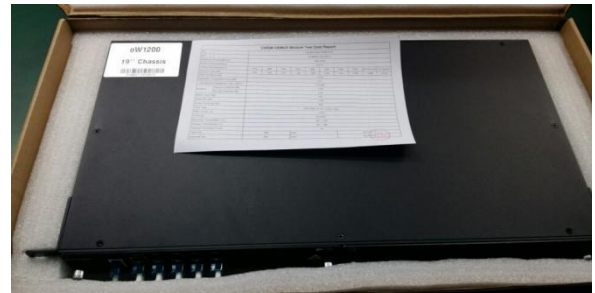
The test report should be provided when the products are delivered. Following characteristic test data should be included:

- Insertion Loss
- Adjacent Channel Isolation
- Non-adjacent Channel Isolation
- PDL

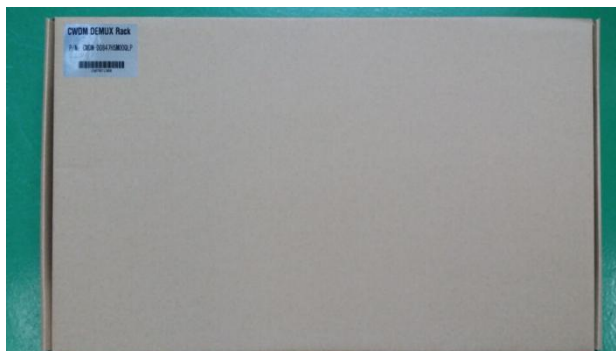
7. Packaging:

Following items should be indicated on the outer packaging surface:

- Product Name
- Product Number
- Serial Number (SN bar code)



1pc/Box



Carton Size: 55x34x38cm

5set/Carton