

16CH DWDM Module Spec

Customer PN	Product PN	Description
SO-DWDM-MUX-16CH	DWDM-1620K105A1-01	16 Channel DWDM,100GHz ITU Grid C-Band, Mux/Demux, 19"chassis

Performance Specifications

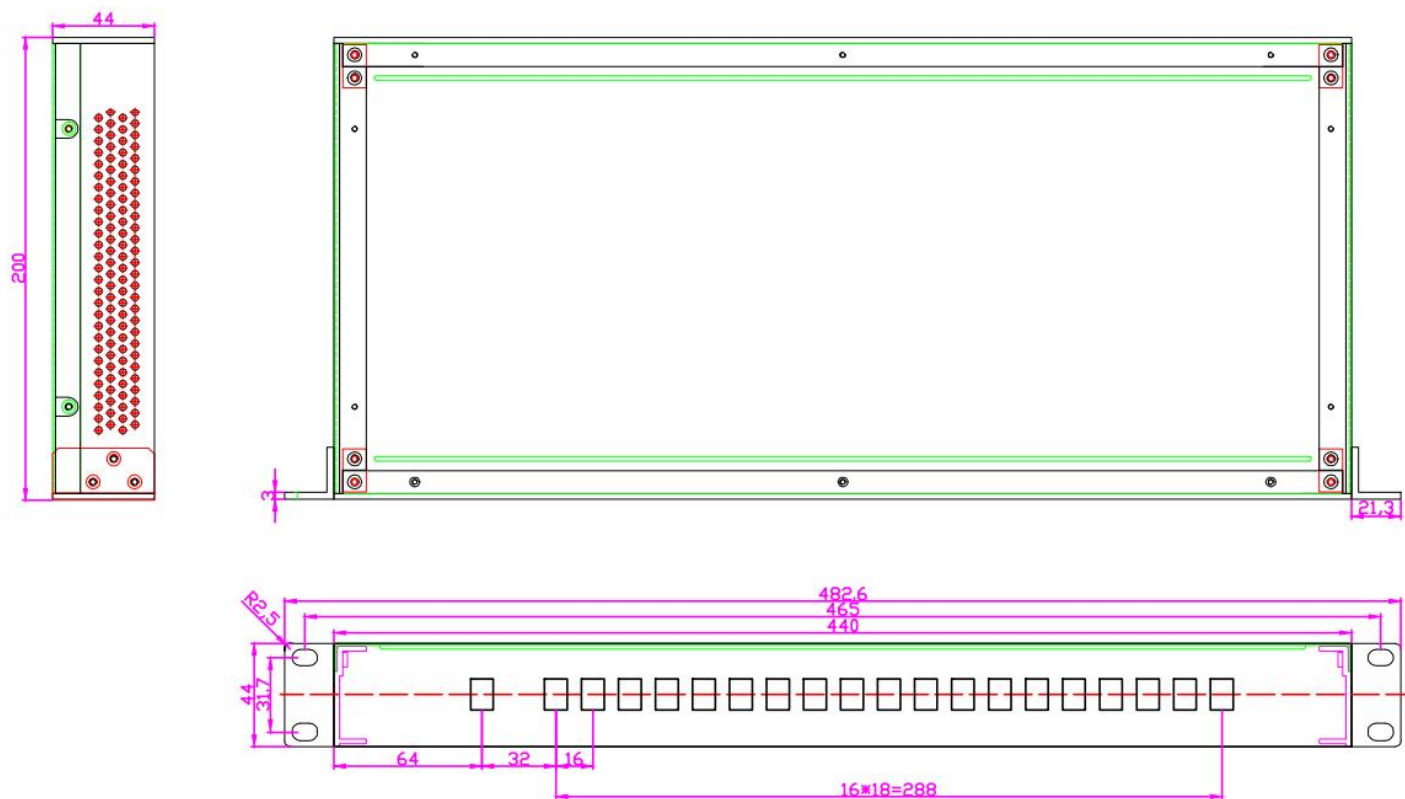
Performance		Unit		Specification
Operation Wavelength Range		nm		1500~1600
Central wavelength		nm		Ch20-35 default all combination available
Channel spacing		GHz		100
Passband	DWDM	nm		±0.11
	UPG	nm		1500-1600(Except C20-C36)
Insertion Loss	DWDM & UPG	Max	dB	3.5
		AVG	dB	2.7
Extra insertion loss monitor port	1% Tap	Max	dB	0.3
Isolation	Adjacent Isolation	Min	dB	30
	Non_adjacent isolation	Min	dB	45
	UPG Port	Min	dB	13
Directivity		Min	dB	45
Return Loss		Min	dB	45
Ripple		Max	dB	0.3
Polarization Dependent Loss		Max	dB	0.2
Polarization Mode Dispersion		Max	dB	0.2
Power Handling		Max	mW	500
Operating Temperature		℃		-40~+85
Storage Temperature		℃		-40~+85(-60~+90)
Fiber Type		/		G657A1
Connector Type		/		LC/UPC
Package Dimension (LxWxH)		mm		19" casing
Rohs Requirement		/		Rohs Compliant

* **Notes: 1. Insertion Loss tested with connector.**

Structures

MUX				DEMUX			
Mon_Tx	1%	1x2 FBT		Mon_Rx	1%	1x2 FBT	COM_Tx
COM_Rx	99%				99%		
		C27_Tx	1555.75			C27_Rx	
			C28-C35 8S1			C28-C35 8S1	
C28_Tx	1554.94					1549.32	C35_Rx
C29_Tx	1554.13	C20_Tx	1561.42	1556.55	C26_Rx	1550.12	C34_Rx
C30_Tx	1553.33	C21_Tx	1560.61	1557.36	C25_Rx	1550.92	C33_Rx
C31_Tx	1552.52	C22_Tx	1559.79	1558.17	C24_Rx	1551.72	C32_Rx
C32_Tx	1551.72	C23_Tx	1558.98	1558.98	C23_Rx	1552.52	C31_Rx
C33_Tx	1550.92	C24_Tx	1558.17	1559.79	C22_Rx	1553.33	C30_Rx
C34_Tx	1550.12	C25_Tx	1557.36	1560.61	C21_Rx	1554.13	C29_Rx
C35_Tx	1549.32	C26_Tx	1556.55	1561.42	C20_Rx	1554.94	C28_Rx
		UPG_Tx			UPG_Rx		

Dimensions Diagram



Test Report

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

- Insertion Loss@ room temperature
- PDL@ room temperature
- Adjacent Channel Isolation@ room temperature
- Customer PN, SN bar code

Packaging

Following items should be indicated on the outer packaging surface:

- Product Name

- Customer PN
- Customer PN bar code
- Serial Number
- Serial Number bar code

Revision History

Revision	Notes	Authors	Checked	Approval	Date
Rev A0	New release	Virgil			2022-11-19