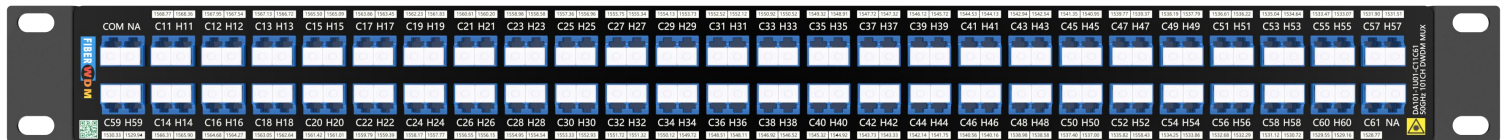


Single fiber 101CH C11-C61 DWDM MUX/DEMUX, 50GHZ AAWG, LC/UPC 1U Rack

The DWDM AAWG 101CH MUX/ DEMUX is designed by FIBERWDM, wavelength from C11 to C61(1568.772nm~1528.773nm), in accordance with the ITU-T G.694.1 50GHZ grid, it maximizes the capacity of the C-band range. It's totally passive DWDM device, and support low insertion loss(wavelength ports<6.5dB).

Product Panel



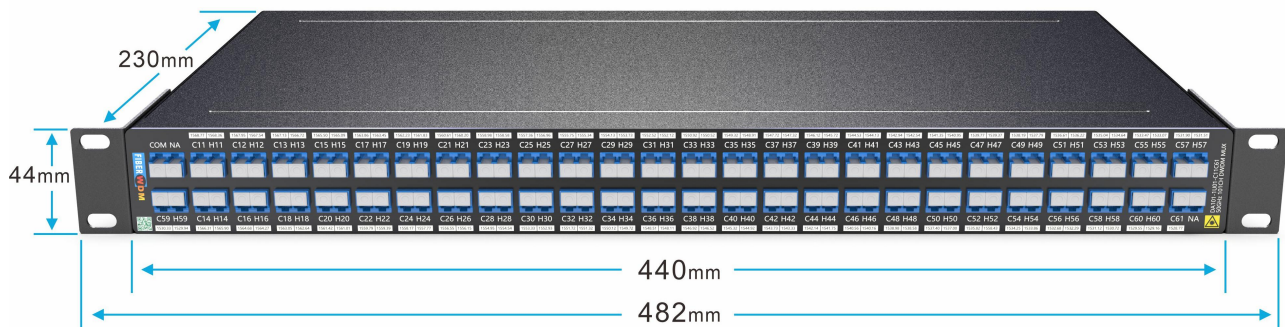
It works in Broadcast and TV, IDC, finance, government, cloud, massive data and other industries.

Product Specification

Parameters	Notes	Specifications		Units
		Min	Max	
Channels		101		Ch
Channel Spacing		50		GHz
Wavelength		1528.773	1568.772	nm
Reference Pass-band	Relative to ITU Grid	± 6.25		GHz
ITU Frequency	See Table 2 Below			THz
ITU Wavelength	See Table 2 Below			nm
Center Frequency Accuracy	Maximum of the absolute deviation of the 3 dB center wavelength from ITU grid over all channels	-0.05	+0.05	nm
Insertion Loss	Maximum of the insertion loss at the ITU wavelength over all channels		6.5	dB
Insertion Loss Uniformity	Maximum insertion loss variance across all channels		1.5	dB
Ripple	Maximum of the loss variance across the ITU pass-band over all channels		0.7	dB
1dB Bandwidth	1dB from min Insertion Loss, full width, average polarization	0.2		nm
3dB Bandwidth	3 dB from min Insertion Loss, full width, average polarization	0.26		nm
20 dB bandwidth	20 dB from min Insertion Loss, full width, average polarization		0.7	nm
Adjacent Channel Isolation	Maximum insertion loss difference between the highest power channel and two adjacent channels overall operating conditions such as temperature, average polarization at ITU.	25		dB

Non-Adjacent Channel Isolation	Maximum insertion loss difference between the highest power channel and non-adjacent channels overall operating conditions such as temperature, average polarization at ITU.	30		dB
Total Crosstalk	Total cumulative average insertion loss difference between the highest power channel and all other channels overall operating conditions such as temperature, average polarization at ITU.	21		dB
Polarization Dependent Loss	Maximum ratio of transmissions over all polarization states, over the ITU pass-band		0.7	dB
Polarization Mode Delay	In Reference Passband over all channels		0.5	ps
Return Loss		40		dB
Continuous optical power			500	mW

Package Information



101CH DWDM 1U RACK

Order Information

Product No.	Product description
DA101-1U01-C11C61	50Ghz DWDM AAWG MUX/ DEMUX 101CH (C11-C61) Single fiber, LC/UPC , 1U Rack

Note: We Support Customized Design, please contact us by email.

Channels List

No	Frequency(THz)	Wavelength(nm)	No	Frequency(THz)	Wavelength(nm)
C11	191.10	1568.772	H36	193.65	1548.115
H11	191.15	1568.360	C37	193.70	1547.715
C12	191.20	1567.952	H37	193.75	1547.316

No	Frequency(THz)	Wavelength(nm)	No	Frequency(THz)	Wavelength(nm)
H12	191.25	1567.540	C38	193.80	1546.917
C13	191.30	1567.133	H38	193.85	1546.518
H13	191.35	1566.723	C39	193.90	1546.119
C14	191.40	1566.314	H39	193.95	1545.720
H14	191.45	1565.905	C40	194.00	1545.322
C15	191.50	1565.496	H40	194.05	1544.924
H15	191.55	1565.087	C41	194.10	1544.526
C16	191.60	1564.679	H41	194.15	1544.128
H16	191.65	1564.271	C42	194.20	1543.730
C17	191.70	1563.863	H42	194.25	1543.333
H17	191.75	1563.455	C43	194.30	1542.936
C18	191.80	1563.047	H43	194.35	1542.539
H18	191.85	1562.640	C44	194.40	1542.142
C19	191.90	1562.233	H44	194.45	1541.746
H19	191.95	1561.826	C45	194.50	1541.349
C20	192.00	1561.419	H45	194.55	1540.953
H20	192.05	1561.013	C46	194.60	1540.557
C21	192.10	1560.606	H46	194.65	1540.162
H21	192.15	1560.200	C47	194.70	1539.766
C22	192.20	1559.794	H47	194.75	1539.371
H22	192.25	1559.389	C48	194.80	1538.976
C23	192.30	1558.983	H48	194.85	1538.581
H23	192.35	1558.578	C49	194.90	1538.186
C24	192.40	1558.173	H49	194.95	1537.792
H24	192.45	1557.768	C50	195.00	1537.397
C25	192.50	1557.363	H50	195.05	1537.003
H25	192.55	1556.959	C51	195.10	1536.609
C26	192.60	1556.555	H51	195.15	1536.216
H26	192.65	1556.151	C52	195.20	1535.822
C27	192.70	1555.747	H52	195.25	1535.429
H27	192.75	1555.343	C53	195.30	1535.036
C28	192.80	1554.940	H53	195.35	1534.643
H28	192.85	1554.537	C54	195.40	1534.250
C29	192.90	1554.134	H54	195.45	1533.858
H29	192.95	1553.731	C55	195.50	1533.465

No	Frequency(THz)	Wavelength(nm)	No	Frequency(THz)	Wavelength(nm)
C30	193.00	1553.329	H55	195.55	1533.073
H30	193.05	1552.926	C56	195.60	1532.681
C31	193.10	1552.524	H56	195.65	1532.290
H31	193.15	1552.122	C57	195.70	1531.898
C32	193.20	1551.721	H57	195.75	1531.507
H32	193.25	1551.319	C58	195.80	1531.116
C33	193.30	1550.918	H58	195.85	1530.725
H33	193.35	1550.517	C59	195.90	1530.334
C34	193.40	1550.116	H59	195.95	1529.944
H34	193.45	1549.715	C60	196.00	1529.553
C35	193.50	1549.315	H60	196.05	1529.163
H35	193.55	1548.915	C61	196.10	1528.773
C36	193.60	1548.515			