

## 96CH DWDM 50GHz (15-62) Dual fiberMUX & DEMUX 2U RACK

### 1Features

- ✓ 2U 19" Rack mount
- ✓ LC / UPC Duplex connector
- ✓ 1% Monitor port for Tx and Rx, easy troubleshooting for DWDM system
- ✓ ITU G.694.1 50GHz ITU grid, 0.4nm spacing
- ✓ Based on Athermal AWG DWDM module technology
- ✓ Flat-top Typical insertion loss <7.3 dB
- ✓ Telcordia GR-1209-CORE and CR-1221-CORE compliant
- ✓ 1% Monitor port for Tx and Rx, ensures easy troubleshooting without downtime
- ✓ RoHS6 compliant

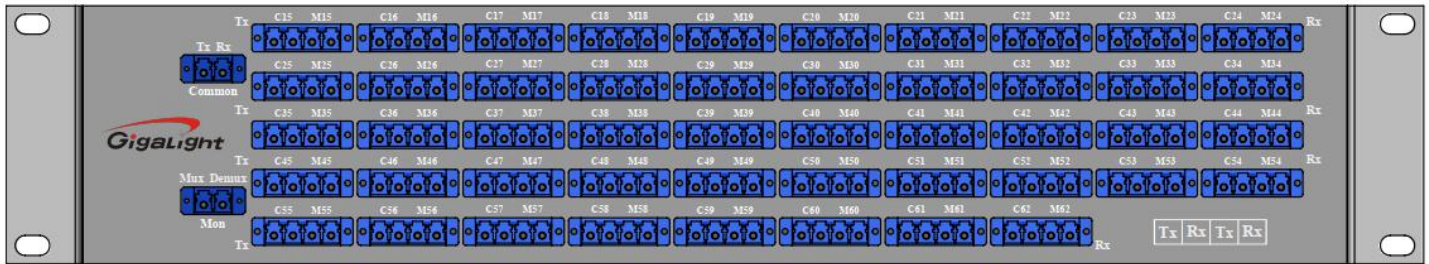
### Specifications

Parameters	Unit	Specification
Pass Band Type	/	Flat-top
Grade	/	Typ
Channel Number	/	96
Channel Spacing	GHz	50
Wavelength Accuracy	nm	±0.05
1dB Pass Band	nm	≥0.2
3dB Pass Band	nm	≥0.32
Insertion Loss <sup>1</sup>	dB	≤7.3
Ripple	dB	≤0.5
Uniformity	dB	≤1.5
Adjacent Crosstalk	dB	≥23
Non-adjacent Crosstalk	dB	≥29
Total Crosstalk	dB	≥21

Polarization Dependent Loss	dB	≤0.5
PMD	ps	≤0.5
Chromatic Dispersion	ps/nm	±20
Return Loss	dB	≥40
Operation Temperature	°C	-5 ~ 75
Storage Temperature	°C	-40 ~ +85
Package	mm	484*245*88(19"2U Rack Mount Box)

## Mechanical Dimensions

19" 2U Rack (Rack-Mountable 483\*245\*88)



ITU Channel (xx or yy)	C15	M15	C16	M16	C17	M17	C18	M18	C19	M19	C20	M20	C21	M21	C22	M22	C23	M23	C24	M24
Wavelength (nm)	1565.496	1565.087	1564.679	1564.271	1563.863	1563.455	1563.047	1562.640	1562.233	1561.826	1561.419	1561.013	1560.606	1560.200	1559.794	1559.389	1558.983	1558.578	1558.173	1557.768

ITU Channel (xx or yy)	C25	M25	C26	M26	C27	M27	C28	M28	C29	M29	C30	M30	C31	M31	C32	M32	C33	M33	C34	M34
Wavelength (nm)	1557.363	1556.959	1556.555	1556.151	1555.747	1555.343	1554.940	1554.537	1554.134	1553.731	1553.329	1552.927	1552.524	1552.123	1551.721	1551.319	1550.918	1550.517	1550.116	1549.716

ITU Channel (xx or yy)	Wavelength (nm)
M44	1541.746
C44	1542.142
M43	1542.539
C43	1542.936
M42	1543.333
C42	1543.731
M41	1544.128
C41	1544.526
M40	1544.924
C40	1545.322
M39	1545.72
C39	1546.119
M38	1546.518
C38	1546.917
M37	1547.316
C37	1547.715
M36	1548.115
C36	1548.515
M35	1548.915
C35	1549.315

ITU Channel (xx or yy)	Wavelength (nm)
M54	1533.858
C54	1534.250
M53	1534.643
C53	1535.036
M52	1535.429
C52	1535.822
M51	1536.216
C51	1536.609
M50	1537.003
C50	1537.397
M49	1537.792
C49	1538.186
M48	1538.581
C48	1538.976
M47	1539.371
C47	1539.766
M46	1540.162
C46	1540.557
M45	1540.953
C45	1541.349

ITU Channel (xx or yy)	Wavelength (nm)
M62	1527.605
C62	1527.994
M61	1528.384
C61	1528.773
M60	1529.163
C60	1529.553
M59	1529.944
C59	1530.334
M58	1530.725
C58	1531.116
M57	1531.507
C57	1531.898
M56	1532.29
C56	1532.681
M55	1533.073
C55	1533.465



## Order Info

GAAWG-3F3448C172U-55

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## 5Revision History

Revision	Date	Description
V0	2022-06-10	Initial release