

# STARMUX-DWDM

Starview MUX and DEMUX DWDM



# STARMUX-DWDM MUX/DEMUX



## Features

- Multi-channel number Low insertion Loss and PDL High channel isolation
- MUX and DEMUX functionality
- Qualified under RoHS compliant

## Applications

- DWDM transmission Metro Area
- Networks Long Haul Networks Building
- Blocks for ROADM

## Specifications

Parameter	Specifications			
	4Ch	8Ch	16Ch	40Ch
Channel Count	4Ch	8Ch	16Ch	40Ch
Channel Center Wavelength	ITU 100 GHz Grid			
Center wavelength Accuracy	± 0.05nm			
Channel Spacing	100GHz			
Channel Passband (@-0.5dB bandwidth)	≥ 0.22nm			
Insertion Loss	≤ 1.6	≤ 2.5	≤ 3.5	≤ 4.5
Channel Uniformity	≤ 0.6	≤ 1.0	≤ 1.5	≤ 1.2
Channel Ripple		0.3		/
Isolation Adjacent		> 30		> 25
Isolation Non-adjacent		> 40		> 30
Polarization Dependent Loss		< 0.1 dB		< 0.6 dB
Polarization Mode Dispersion		< 0.1 PS		< 0.5 PS
Directivity		> 50 dB		> -40 dB
Return Loss		> 45 dB		> -40 dB
Power Handling Max	500 mW			
Operating Temperature	-5°C ~ +75°C			
Storage Temperature	-40°C ~ +85°C			
Package Dimension	19"case packaging: 540mm x 320mm x 120mm			
Weight	Chassis: 1.47KG			

Remark: Above specification are for device without connector

**Wavelength Plan**

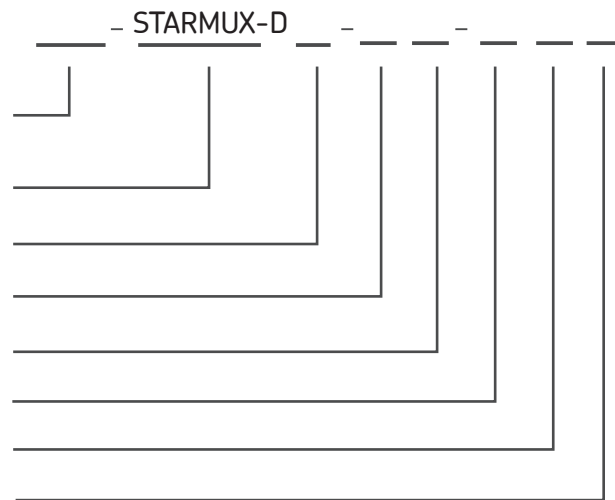
## ITU Channel	Wavelength	Frequency (THz)
21	1560.61	192.1
22	1559.79	192.2
23	1558.98	192.3
24	1558.17	192.4
25	1557.36	192.5
26	1556.55	192.6
27	1555.75	192.7
28	1554.94	192.8
29	1554.13	192.9
30	1553.33	193.0
31	1552.52	193.1
32	1551.72	193.2
33	1550.92	193.3

## ITU Channel	Wavelength	Frequency (THz)
34	1550.12	193.4
35	1549.32	193.5
36	1548.51	193.6
37	1547.72	193.7
38	1546.92	193.8
39	1546.12	193.9
40	1545.32	194.0
41	1544.53	194.1
42	1543.73	194.2
43	1542.94	194.3
44	1542.14	194.4
45	1541.35	194.5
46	1540.56	194.6

## ITU Channel	Wavelength	Frequency (THz)
47	1539.77	194.7
48	1538.98	194.8
49	1538.19	194.9
50	1537.40	195.0
51	1536.61	195.1
52	1535.82	195.2
53	1535.04	195.3
54	1534.25	195.4
55	1533.47	195.5
56	1532.68	195.6
57	1531.90	195.7
58	1531.12	195.8
59	1530.33	195.9
60	1529.55	196.0

# Ordering Information

- Manufacturer: SVR: Starview 19" Chassis
- Type: DWDM MUX/DEMUX
- Channel # 4 / 8 / 16 / 40
- First Channel # 21: Channel 21.....60: Channel 60
- End Channel # 21: Channel 21.....60: Channel 60
- Features: M: Monitoring E: Expansion
- Fiber Type: S: Simplex Type D: Duplex Type
- COM Connectors: LCA: LC/APC LCU: LC/UPC



**Example:**

**SVR-STARMUX-D8-2128-MESLCA**

Starview 19" Rack Mountable STARMUX chassis with 8 x C-Band DWDM wavelengths, 100GHz spacing CH21 to CH28 (Duplex LC/UPC), with 1 x MON port (Duplex LC/UPC), 1 x Expansion port ( Duplex LC/UPC) and 1 x Simplex LC/APC COM port