

SKY-DWDM-MUXSR8E-35-42

8ch 19" Rack Mount 1U DWDM Mux or Demux (Simplex), ITU 100GHz Channel 35 ~ 42 w/Express & Monitor ports, UPC/LC Connectors

Product Description

This is a 8 Channel 35-42 DWDM ADD/DROP MUX 19inch rack mount with LC connectors. This unit can be used as either a multiplexer or de-multiplexer (mux/demux), and is a plug and play system. All of our mux/demux products are 100% compliant and provide a cost effective solution for your network upgrade needs. With our certification test program, we guarantee your product will work correctly the first time.

Features:

- Passive DWDM mux or demux
- Mux or Demux – Simplex COM Port
- Express and Monitor Ports
- 19" 1U Rack Mount Form Factor
- UPC/LC Adapters

For your product safety, please read the following information carefully before any manipulation of the transceiver:



ESD

This transceiver is specified as ESD threshold 1kV for SFI pins and 2kV for all others electrical input pins, tested per MIL-STD-883G, Method 3015.4 /JESD22-A114-A (HBM). However, normal ESD precautions are still required during the handling of this module.



LASER SAFETY

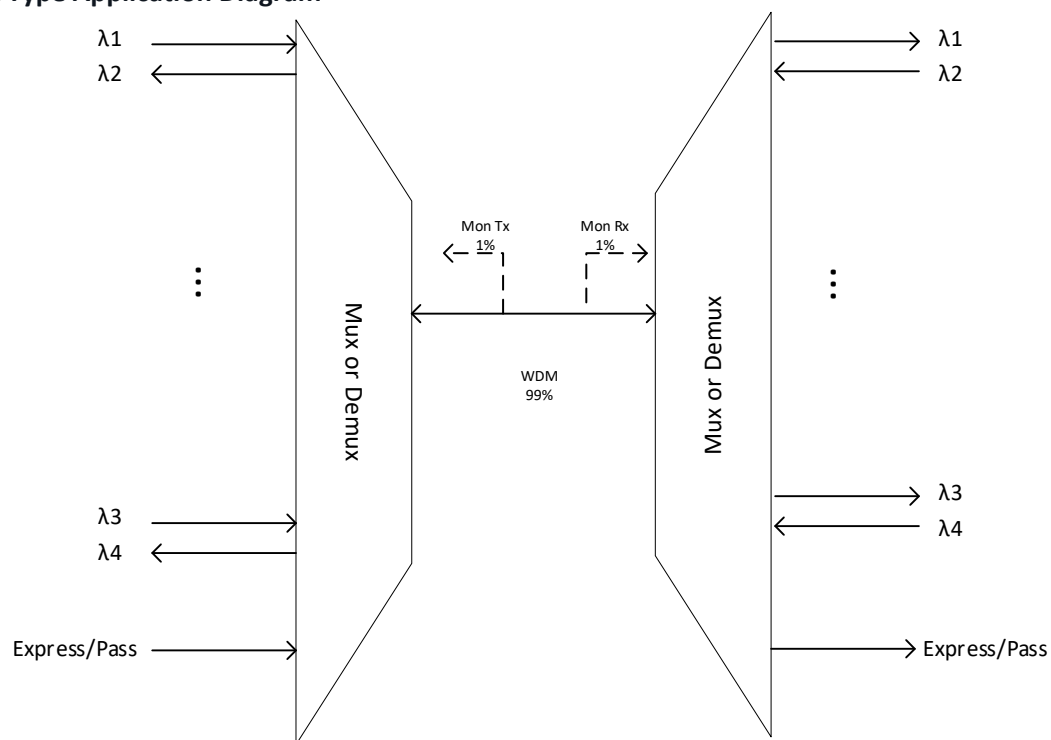
This is a Class1 Laser Product according to IEC 60825-1:2007. This product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.

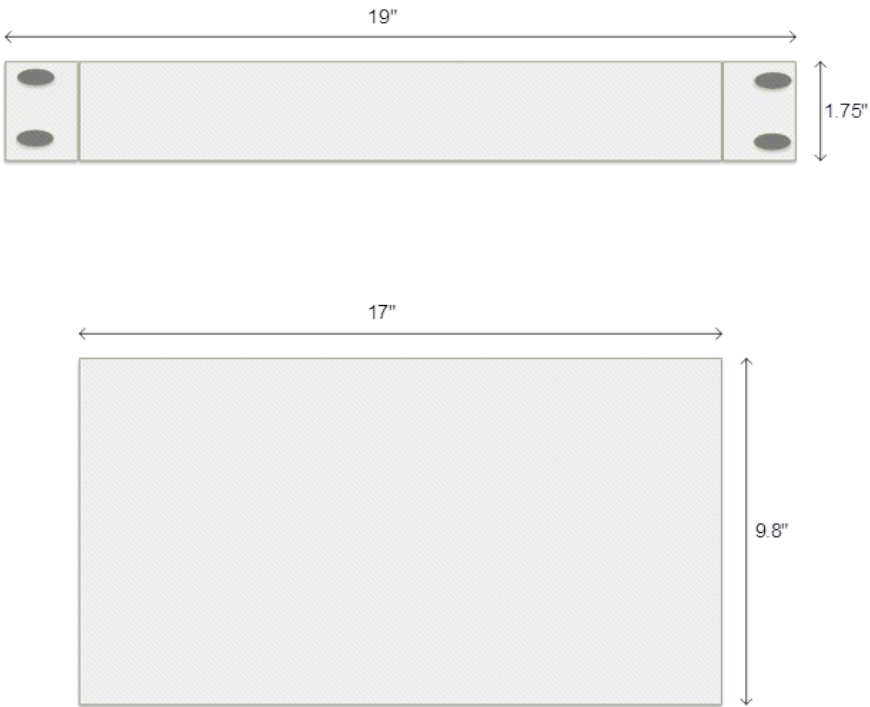
Specifications

Parameter	Specification	Units
Center Wavelength	100GHz C-Band ITU Grid	nm
Channel Passband (Min.)	$\lambda_c \pm 1.1\text{nm}$	nm
Insertion Loss (Max.)	≤ 3.0	dB
Adjacent Channel Isolation	≥ 28	dB
Non-Adjacent Channel Isolation	≥ 40	dB
Ripple in Passband	≤ 0.5	dB
Temperature Stability	≤ 0.005	dB/°C
Return Loss	≥ 45	dB
Directivity	≥ 55	dB
Maximum Power Handling	500	mW
Operating Temperature	0 to 70	°C
Storage Temperature	-40 to 85	°C

Mux Type Application Diagram



Mechanical Specifications



Parameter	Specification
Dimensions (Box)	1.75in x 19in x 9.8in (H x W x D)
Adapter Type	LC/UPC - Standard
Max Adapters	19" 1U Rack Mount

DWDM Wavelengths

ITU 100GHz Channels

ITU Channel Number	Wavelength, nm	Frequency, THz	ITU Channel Number	Wavelength, nm	Frequency, THz
11	1568.11	191.1	37	1547.72	193.7
12	1567.95	191.2	38	1546.92	193.8
13	1567.13	191.3	39	1546.12	193.9
14	1566.31	191.4	40	1545.32	194.0
15	1565.50	191.5	41	1544.53	194.1
16	1564.68	191.6	42	1543.73	194.2
17	1563.86	191.7	43	1542.94	194.3
18	1563.05	191.8	44	1542.14	194.4
19	1562.23	191.9	45	1541.35	194.4
20	1561.42	192.0	46	1540.56	194.6
21	1560.61	192.1	47	1539.77	194.7
22	1559.79	192.2	48	1538.98	194.8
23	1558.98	192.3	49	1538.19	194.9
24	1558.17	192.4	50	1537.40	195.0
25	1557.36	192.5	51	1536.61	195.1
26	1556.55	192.6	52	1535.82	195.2
27	1555.75	192.7	53	1535.04	195.3
28	1554.94	192.8	54	1534.25	195.4
29	1554.13	192.9	55	1533.47	195.5
30	1553.33	193.0	56	1532.68	195.6
31	1552.52	193.1	57	1531.90	195.7
32	1551.72	193.2	58	1531.12	195.8
33	1550.92	193.3	59	1530.33	195.9
34	1550.12	193.4	60	1529.55	196.0
35	1549.32	193.5	61	1528.77	196.1
36	1548.51	193.6			

About Skylane Optics

Skylane is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box.

