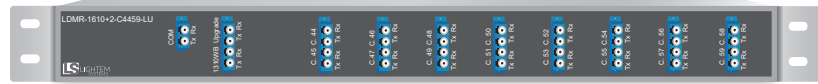


Lightem 16Ch DWDM 100GHz C Band Mux Ch44-59 + 1310nm WB + DWDM Upgrade, duplex traffic 2 fibers

Lightem 16Ch DWDM 100GHz C Band Mux is designed to multiplex 16Ch DWDM 100GHz C Band for Ch44-59 duplex traffic into two fibers. The 1310WB port can be used to multiplex CWDM channel (1270-1450nm); where the DWDM Upgrade port can be used to multiplex additional CWDM/DWDM channel with excellent insertion loss and isolation characteristics. It is packaged in a L3 module (Other package is available upon request); with our 19" 1U chassis (P/N: L19-3L3), a 1U rack space can accommodate up to 3 modules. Together with our DWDM Transceiver, the bandwidth of the fiber can be utilized in a cost effective way.



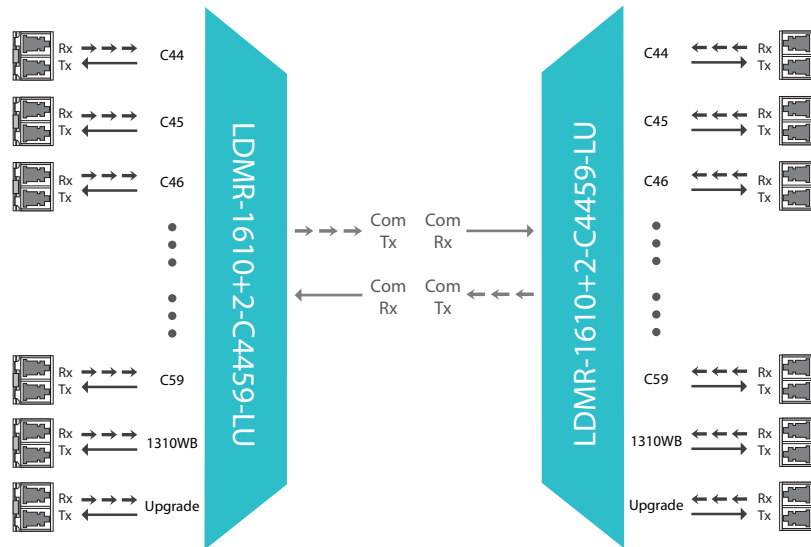
FEATURES

- DWDM ITUT G.694.1 C Band 100GHz
- Ch44-59 + 1310WB + DWDM Upgrade
- Based on thin film optics with epoxy free optical path
- Protocol transparent, support 1G, 10G, 100G etc
- Package in 19" 1U Rackmount unit with 38x LC ports
- Custom designed with optional features

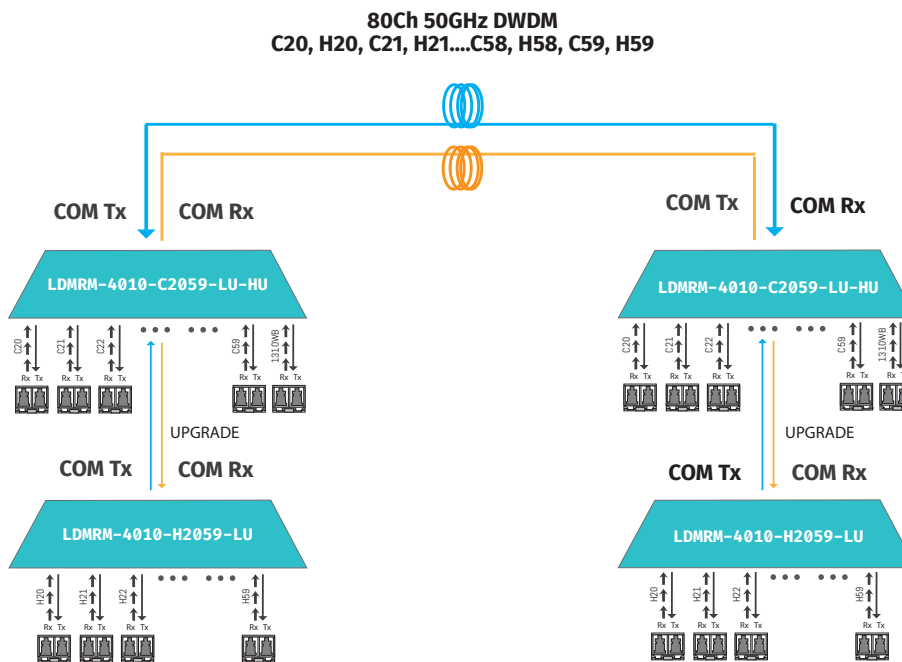
SPECIFICATIONS

Parameter	Unit	Value
<i>Insertion loss IL</i>	dB	Max: 3.9 Typ: 3.7
<i>Mux+Demux IL</i>	dB	Max: 6.5
<i>Channel</i>	nm	Ch44-59
<i>1310WB / Upgrade port IL</i>	dB	Max: 1.5 Typ: 1.3
<i>1310WB / Upgrade port bandwidth</i>	nm	1260-1457
<i>1550WB port IL</i>	dB	Max: 3.9 Typ: 3.7
<i>1550WB port bandwidth</i>	nm	1460-1620
<i>Channel Spacing</i>	GHz	100
<i>Channel Flatness</i>	dB	< 0.4
<i>Channel Passband (0.5dB BW) Min</i>	nm	0.22
<i>Channel Uniformity</i>	dB	< 1.5
<i>Adjacent channel isolation</i>	dB	> 25
<i>Non adjacent channel isolation</i>	dB	> 35
<i>Directivity</i>	dB	> 50
<i>Return Loss</i>	dB	> 50
<i>PDL</i>	dB	< 0.15
<i>PMD</i>	ps	< 0.1
<i>Wavelength thermal stability</i>	nm/°C	< 0.002
<i>Insertion Loss thermal stability</i>	nm/°C	< 0.005
<i>Power Handling</i>	mW	< 300
<i>Operating temperature</i>	°C	0 ~ +70
<i>Storage temperature</i>	°C	-40 ~ +85
<i>Packaging</i>		19" 1U Rackmount

FUNCTIONAL DIAGRAM



APPLICATION DIAGRAM



ORDERING INFORMATION

P/N	Description
LDMR-1610+2-C4459-LU	Lightem 16Ch DWDM 100GHz C Band Mux Ch44-59 + 1310nm WB + DWDM Upgrade, duplex traffic 2 fibers, 19" 1U Rackmount package