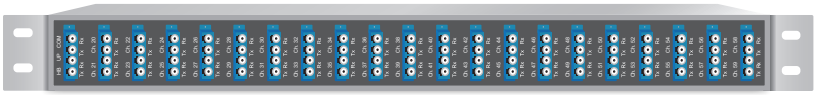
Lightem 40Ch AAWG DWDM 100GHz C Band Mux Ch20-59+ H Band Upgrade ports, duplex traffic 2 fibers

Lightem 40Ch AAWG DWDM 100GHz C Band with H Band upgrade Mux is designed to multiplex 40Ch DWDM 100GHz C Band for Ch20-59 duplex traffic into two fibers. The H Band upgrade port can be used to input additional 40Ch DWDM 100GHz H Band traffic into the exisiting traffic. 80Ch DWDM 50GHz Muxes can be formed with such combinations.It is packaged in a 19" 1U unit. Together with our DWDM Transceiver, the bandwidth of the fiber can be utilized in a cost effective way.



FEATURE

- DWDM ITUT G.694.1 C Band 100GHz
- Athermal AWG
- Ch20-59
- H Band upgrade port is used to form a 80Ch DWDM 50GHz
- Protocol transparent, support 1G, 10G, 100G etc
- Custom designed with optional features
- Package in 19" 1U Rackmount unit with 84x LC ports

SPECIFICATIONS

Parameter	Unit	Value
Insertion loss IL	dB	Max: 5.8 Typ: 4.5
Mux+Demux IL	dB	Max: 10.8
Channel		Ch20-59
H Band Upgrade port IL	dB	Max: 2.2 Typ: 1.8
Center Wavelength	nm	C Band
Clear Channel Passband	nm	±0.05
-1 dB Channel Bandwidth	nm	> 0.24
-3 dB Channel Bandwidth	nm	> 0.43
Channel Spacing	GHz	100
Insertion Loss Uniformity	dB	Max: 1.5 Typ: 0.8
Insertion Loss Ripple	dB	Max: 0.5 Typ: 1.0
Adjacent channel isolation	dB	> 22
Non adjacent channel isolation	dB	> 28
Total channel isolation	dB	> 20
Directivity	dB	> 45
Return Loss	dB	> 50
PDL	dB	< 0.5
PMD	ps	< 0.5
Wavelength stability	nm	< 0.05
Power Handling	mW	< 300
Operating temperature	°C	-5 ~ +65
Storage temperature	°C	-40 ~ +85
Packaging		19" 1U Rackmount

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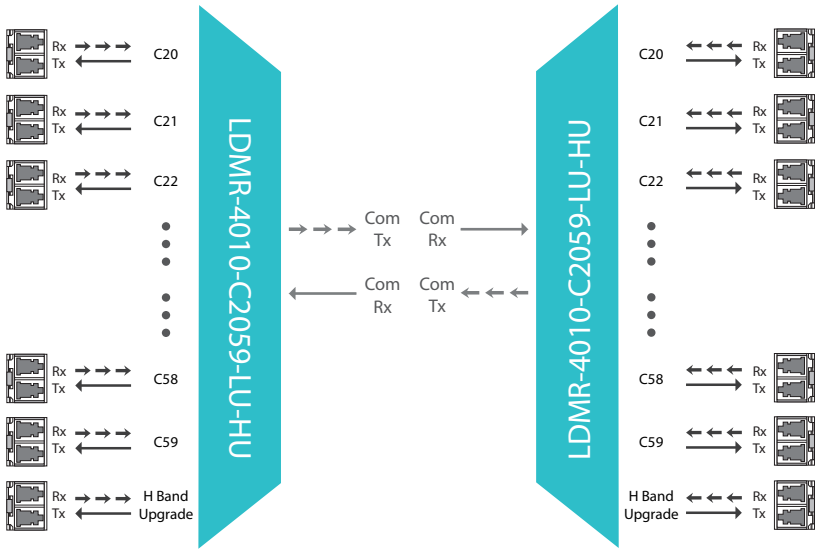
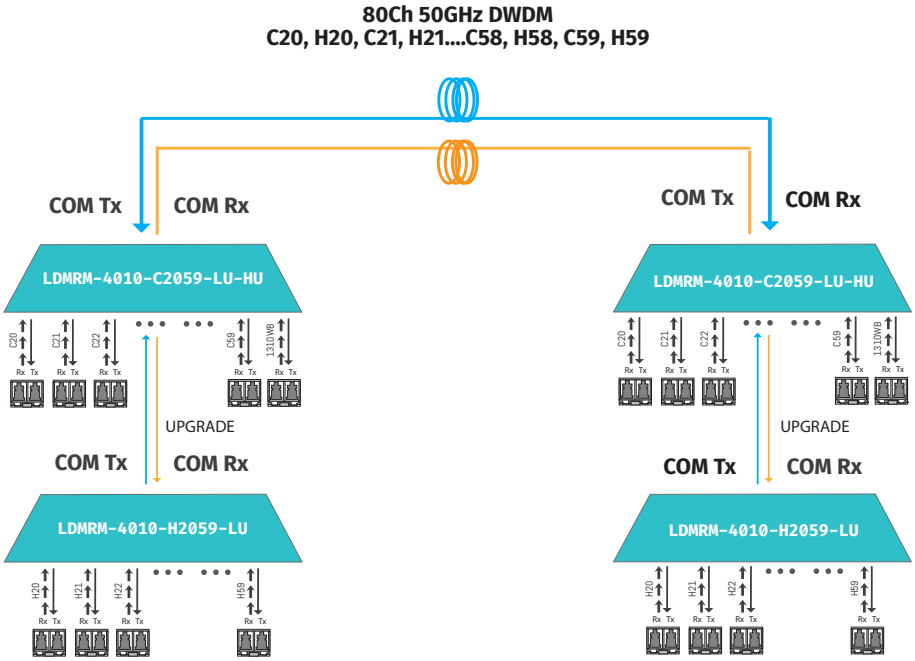
FUNCTIONAL DIAGRAM



APPLICATION DIAGRAM



ORDERING INFORMATION

P/N	Description
LDMR-4010-C2059-LU-HU	Lightem 40Ch AAWG DWDM 100GHz C Band Mux Ch20-59+ H Band Upgrade ports, duplex traffic 2 fibers