

Lightem 40Ch AAWG DWDM 100GHz C Band Mux Ch21-60, duplex traffic 2 fibers

Lightem 40Ch AAWG DWDM 100GHz C Band Mux is designed to multiplex 40Ch DWDM 100GHz C Band for Ch21-60 duplex traffic into two fibers. Together with our DWDM Transceiver, the bandwidth of the fiber can be utilized in a cost effective way.



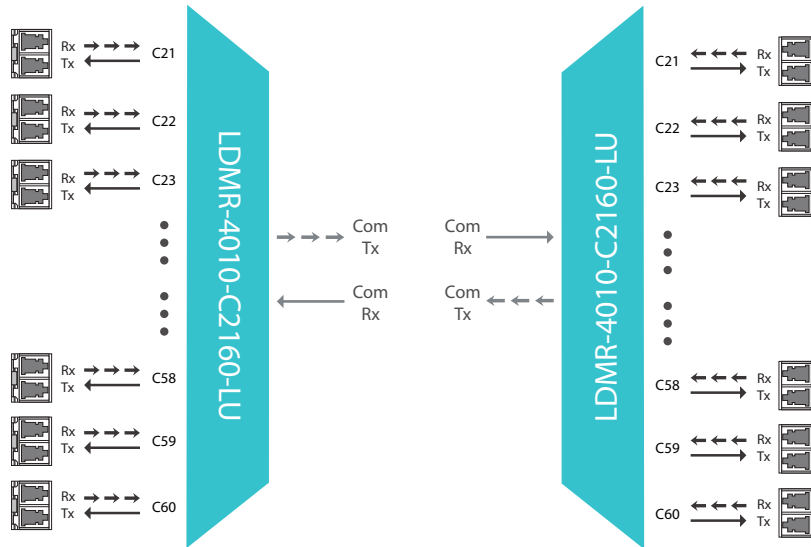
FEATURES

- DWDM ITUT G.694.1 C Band 100GHz
- Athermal AWG
- Ch21-60
- Protocol transparent, support 1G, 10G, 100G etc
- Custom designed with optional features
- Package in 19" 1U Rackmount unit with 82x LC ports

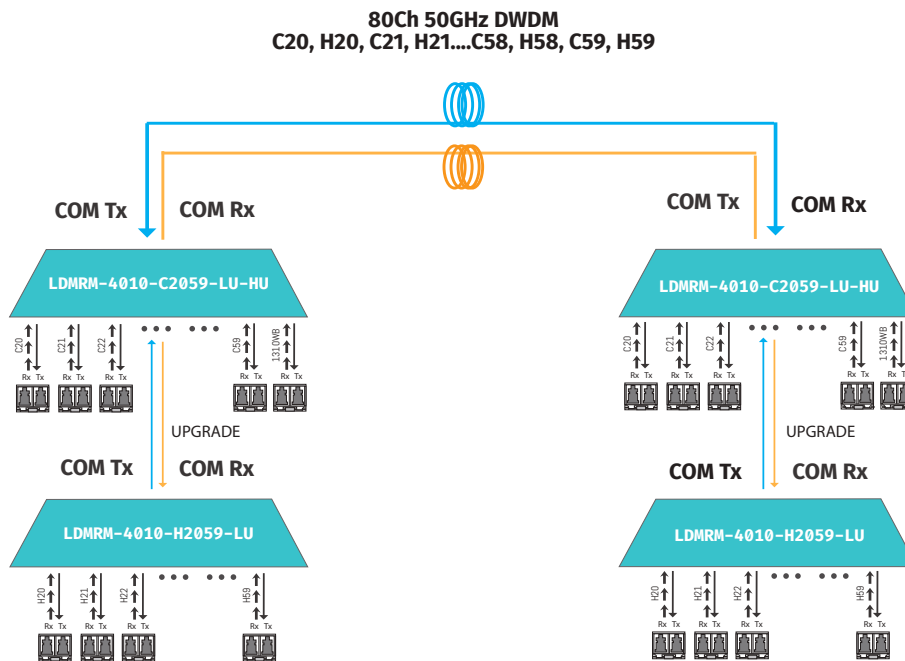
SPECIFICATIONS

Parameter	Unit	Value
Insertion loss IL	dB	Max: 4.5 Typ: 3.5
Mux+Demux IL	dB	Max: 8.7
Channel		Ch21-60
Center Wavelength	nm	C Band
Clear Channel Passband	nm	±0.1
-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
Adajacent channel isolation	dB	> 25
Non adajacent channel isolation	dB	> 30
Total channel isolation	dB	> 22
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

FUNCTIONAL DIAGRAM



APPLICATION DIAGRAM



ORDERING INFORMATION

P/N	Description
LDMR-4010-C2160-LU	Lightem 40Ch AAWG DWDM 100GHz C Band Mux Ch21-60, duplex traffic 2 fibers, 19" 1U Rackmount package