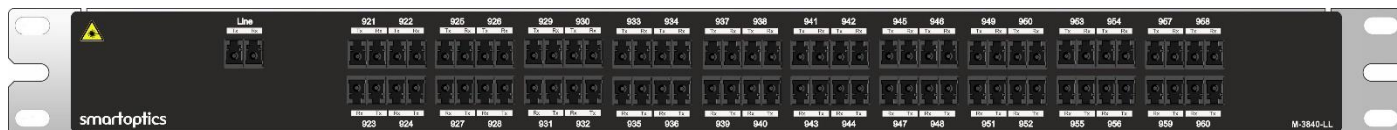


# M-3840-LL

## Low-loss 40-channel DWDM Mux/Demux

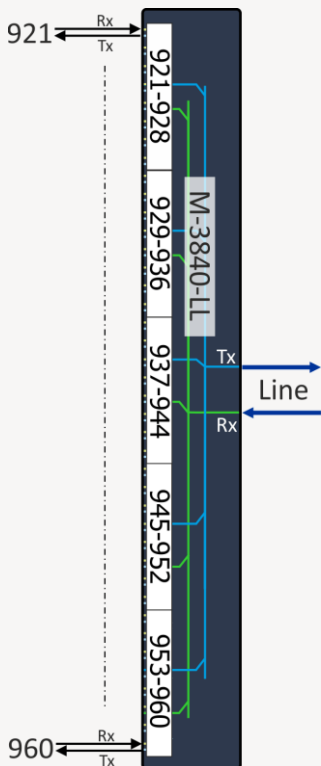


### OVERVIEW

The M-3840-LL filter is a low-loss 40-channel DWDM protocol transparent Mux/Demux unit. The channels carried are 921 to 960 in accordance with the ITU-T G.694.1 100GHz grid.

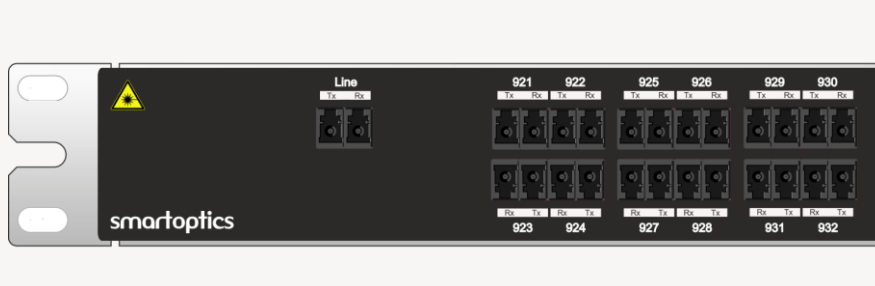
M-3840-LL is a 1RU, 19" rack mounted unit. The technology is restricted to 0 to +70°C operating temperature.

### FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



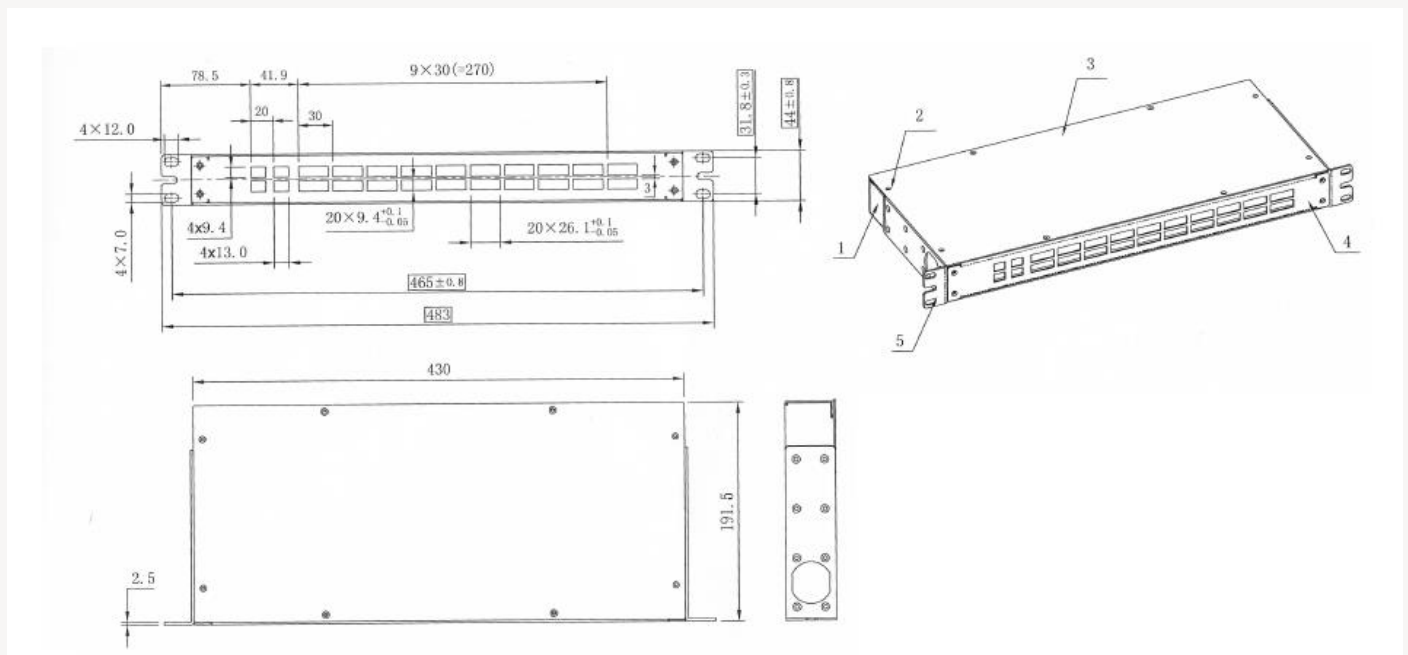
Client and Line signals entering the filter is denoted "Rx".  
Client and Line signals exiting the filter is denoted "Tx".

Each port has a label "Tx" or "Rx"



## TECHNICAL SPECIFICATIONS

Parameter	
Channels	192.1 to 196.0 THz
Channel spacing	100GHz
Channel passband 0.5dB	ITU±0.11nm
Insertion loss, per channel (ch Rx ⇒ Line Tx)	Typical 5.4dB Max 6.0dB
Link loss, per channel (ch Rx ⇒ ch Tx)	Typical 6.8dB Max 7.5dB
Isolation, adjacent channel (Line Tx/Rx<=>chxx Rx/Tx)	Min 30dB
Isolation, non-adjacent channel (Line Tx/Rx<=>chxx Rx/Tx)	Min 40dB
Ripple, passband	Max 0.5dB
Return loss	Min 45dB
Chromatic dispersion	Min -20ps/nm Max 20ps/nm
Polarization dependent loss	Max 0.2dB
Polarization Mode Dispersion	Max 0.5ps
Connector type	LC/UPC
Dimensions	1RU height, 19" rack mount
Operating temperature	0 to +70 °C
Storage temperature	-40 to +85 °C
Max optical power	Max 300mW / +24.7dBm



## ORDER INFORMATION

Part number	Description
M-3840-LL	1RU, 19", D=191.5mm, 40ch DWDM Mux/Demux LowLoss, 100GHz D921-D960, Link-loss ch=7.5dB, Insertion-loss ch=6.0dB, LC/UPC

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