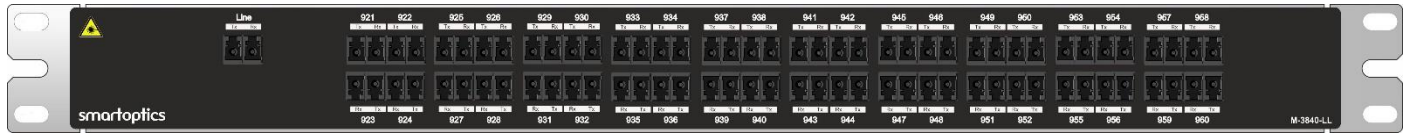


M-3840-LL

Low-loss 40-channel DWDM Mux/Demux

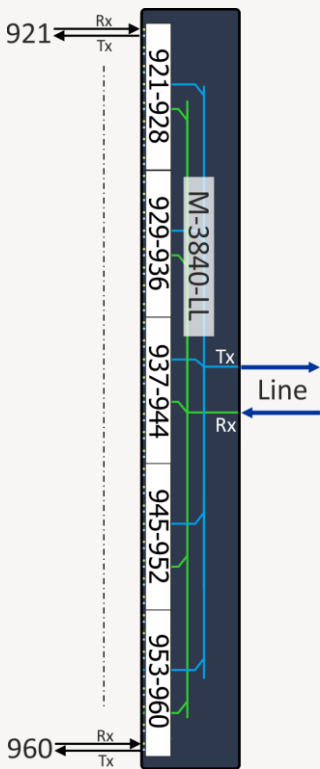


OVERVIEW

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.

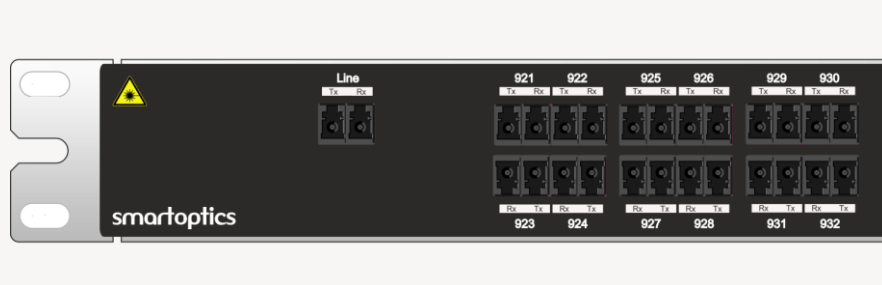
M-3840-LL is a 1RU, 19" rack mounted unit. The technology is restricted to 0 to +70°C operating temperature.

FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



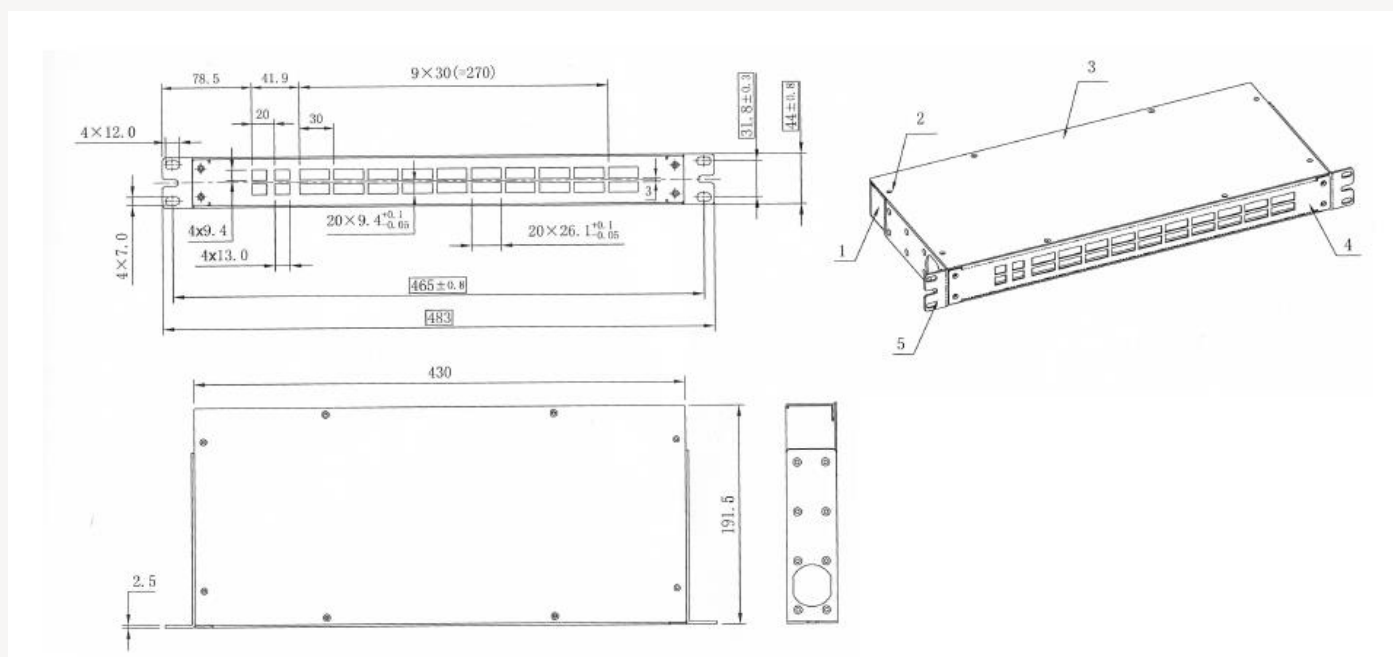
Client and Line signals entering the filter is denoted "Rx".
Client and Line signals exiting the filter is denoted "Tx".

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



TECHNICAL SPECIFICATIONS

Parameter	Min	Max
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)	5.4dB	6.0 dB
Link loss, per channel (ch Rx ⇒ ch Tx)	6.8dB	7.5dB
Isolation, adjacent channel (Line Tx/Rx<=>chxx Rx/Tx)	30dB	
Isolation, non-adjacent channel (Line Tx/Rx<=>chxx Rx/Tx)	40dB	
Ripple, passband		0.5dB
Return loss	45dB	
Chromatic dispersion	-20ps/nm	20ps/nm
Polarization dependent loss		0.2dB
Polarization Mode Dispersion		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		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