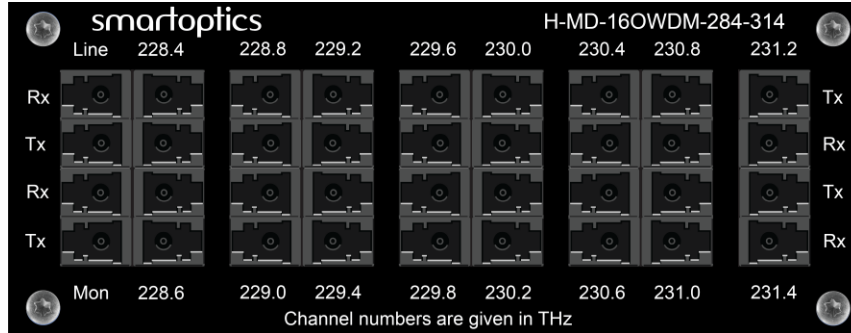


# H-MD-16OWDM-284-314

16ch OWDM Mux/Demux + Mon, 284-314THz



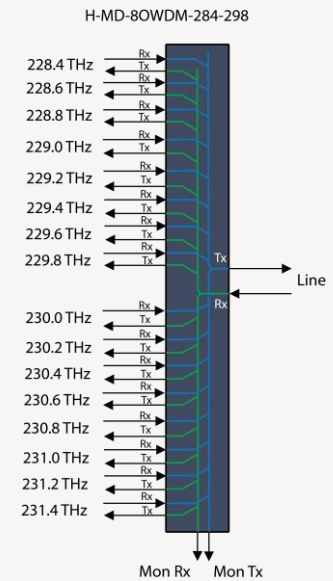
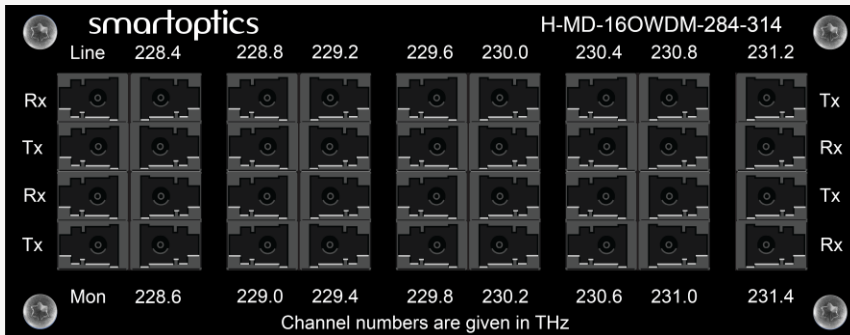
## OVERVIEW

The H-MD-16OWDM-284-314 is a 16ch O-Band DWDM Mux/DeMux. The ports of the H-MD-16OWDM-284-314 covers sixteen O-Band DWDM channels spaced with 200GHz; 228.4, 228.6, 228.8, 229.0, 229.2, 229.4, 229.6, 229.8, 230.0, 230.2, 230.4, 230.6, 230.8, 231.0, 231.2 and 231.4THz.

The filter is intended to operate with the 100GbE O-Band QSFP28 transceivers: TQ2026-OxxC-SO.

The H-Series supports the industrial temperature range of -40°C to +85°C (-40°F to +185°F) which gives an extended application range into sites without temperature control. The H-Series filters are mounted in a 1 RU mounting bracket solution, and the filter module sizes vary depending on type of filter.

## FILTER OVERVIEW AND PORT ALLOCATION



Line Rx	228.4 Tx	228.8 Rx	229.2 Tx	229.6 Rx	230.0 Tx	230.4 Rx	230.8 Tx	231.2 Tx
Line Tx	228.4 Rx	228.8 Tx	229.2 Rx	229.6 Tx	230.0 Rx	230.4 Tx	230.8 Rx	231.2 Rx
Mon Rx	228.6 Tx	229.0 Rx	229.4 Tx	229.8 Rx	230.2 Tx	230.6 Rx	231.0 Tx	231.4 Tx
Mon Tx	228.6 Rx	229.0 Tx	229.4 Rx	229.8 Tx	230.2 Rx	230.6 Tx	231.0 Rx	231.4 Rx

Note the column dependent location of Tx and Rx ports.

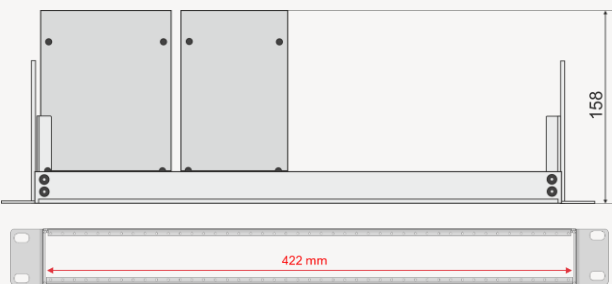
Subject to change without notice.

For more information visit [smaroptics.com](http://smaroptics.com).

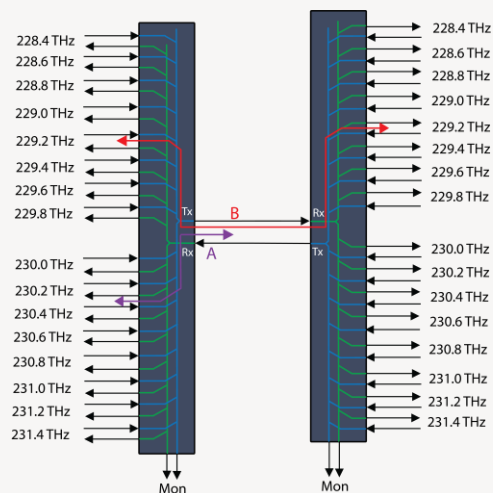
## TECHNICAL SPECIFICATIONS

Parameter	C-temp conditions	I-temp conditions
Channels	228.4, 228.6, 228.8, 229.0, 229.2, 229.4, 229.6, 229.8, 230.0, 230.2, 230.4, 230.6, 230.8, 231.0, 231.2, 231.4 THz	
Channel spacing	200GHz	
Channel passband	ITU ± 0.2nm	
Insertion loss, per channel (A)	Max 5.4dB	Max 5.9dB
Link loss, per channel (B)	Max 6.0dB	Max 6.6dB
Monitor port	Max 22dB	
Isolation, adjacent channel	Min 25dB	
Isolation, non-adjacent channel	Min 45dB	
Ripple, passband	Max 0.5dB	
Directivity	Min 50dB	
Return loss	Min 45dB	
Polarization dependant loss	Max 0.2dB	
Polarization mode dispersion	Max 0.20ps	
Optical power	Max 500mW	
Operating temperature	-40°C to +85°C	
Storage temperature	-40°C to +85°C	
Connector type	LC/UPC	
Module width	75 mm	

Note! A typical loss value is to be seen as a value that ~90% of a population has at beginning of life and at room temperature. The max value is the guaranteed worst-case value over time and over temperature.



Mounting bracket dimensions with two example filters.



## ORDER INFORMATION

The table below shows the part number and a short description.

Part number	Description
H-MD-16OWDM-284-314	H-Series: 16ch OWDM Mux/Demux 228.4-231.4THz, Mon, 113mm, LC/UPC

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