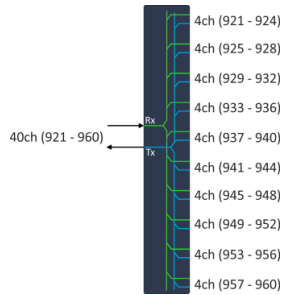
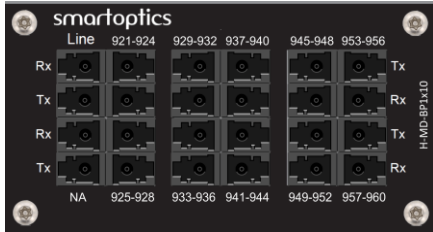


# H-MD-BP1x10

1x10 Band DWDM Mux/Demux, LC/UPC

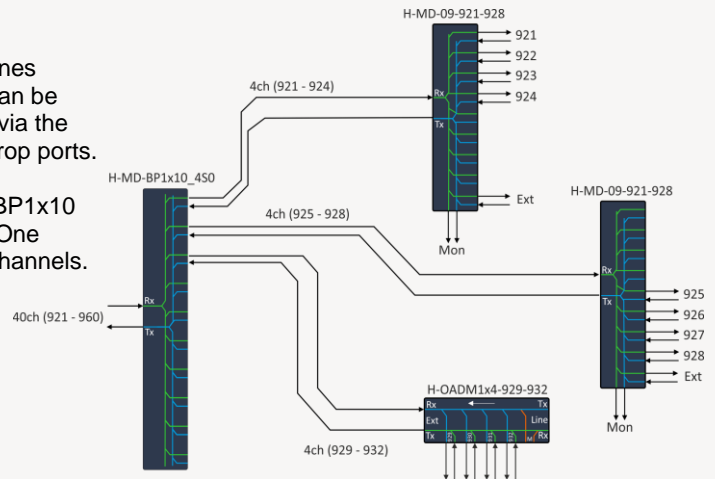


## OVERVIEW

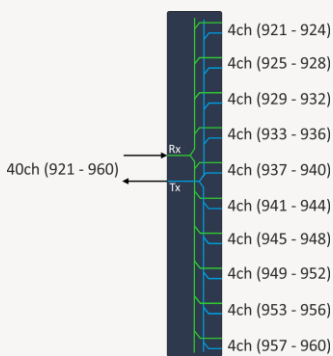
The H-MD-BP1x10 filter is a DWDM MuxDemux that separates/combines four DWDM channels in ten bands. The H-MD-09-xxx-yyy filter units can be used to extract the channels. A more optimized extraction is provided via the H-OADM1x4-xxx-yyy filters since that will not leave any unused add/drop ports.

The figure shows an example where the two band ports of the H-MD-BP1x10 is connected to a H-MD-09-921-928 to extract four channels per site. One band port is connected to a H-OADM1x4-929-932 to extract the four channels.

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.

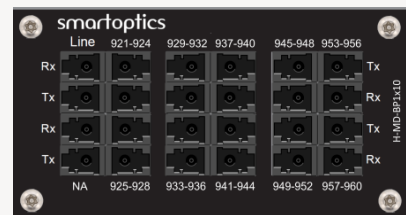


## FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



Line Rx	Tx 921-924	Rx 929-932	Tx 937-940	Rx 945-948	Tx 953-956
Line Tx	Rx 921-924	Tx 929-932	Rx 937-940	Tx 945-948	Rx 953-956
NA	Tx 925-928	Rx 933-936	Tx 941-944	Rx 949-952	Tx 957-960
NA	Rx 925-928	Tx 933-936	Rx 941-944	Tx 949-952	Rx 957-960

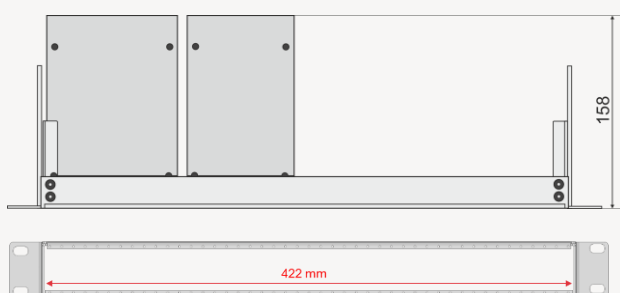
Please note order of Tx and Rx ports



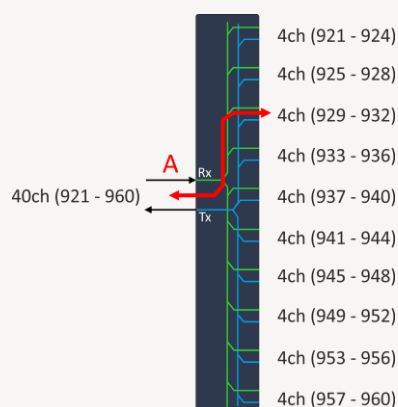
## TECHNICAL SPECIFICATIONS

Parameter	Min	Max
Channels Band 1		192.1 to 192.4 THz
Band 2		192.5 to 192.8 THz
Band 3		192.9 to 193.2 THz
Band 4		193.3 to 193.6 THz
Band 5		193.7 to 194.0 THz
Band 6		194.1 to 194.4 THz
Band 7		194.5 to 194.8 THz
Band 8		194.9 to 195.2 THz
Band 9		195.3 to 195.6 THz
Band 10		195.7 to 196.0 THz
Channel spacing		100GHz
Channel passband		ITU±0.11nm
Insertion loss, per band (A)	2.9 dB typical	3.2 dB max
Isolation, Adjacent Channel Passbands	15dB	
Ripple, passband		0.5dB
Directivity	45dB	
Return loss	40dB	
Polarization dependent loss		0.2dB
Polarization mode dispersion		0.20ps
Operating temperature	-40°C	+85°C
Connector type		LC/UPC
Module width		84mm
Mounting bracket		H-Chassi-1RU (19"), 422mm slot width

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

Part number	Description
H-MD-BP1x10	H-Series: 1x10 Band DWDM Mux/Demux, 921-960, 84mm, Insertion-loss=3.2dB, LC/UPC