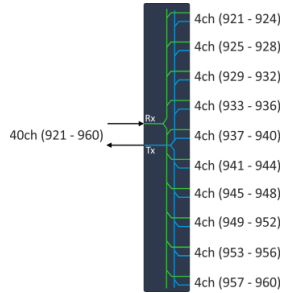
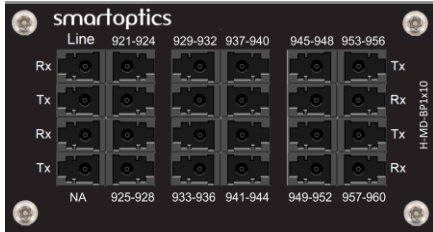


# H-MD-BP1x10

1x10 Band DWDM Mux/Demux, LC/UPC

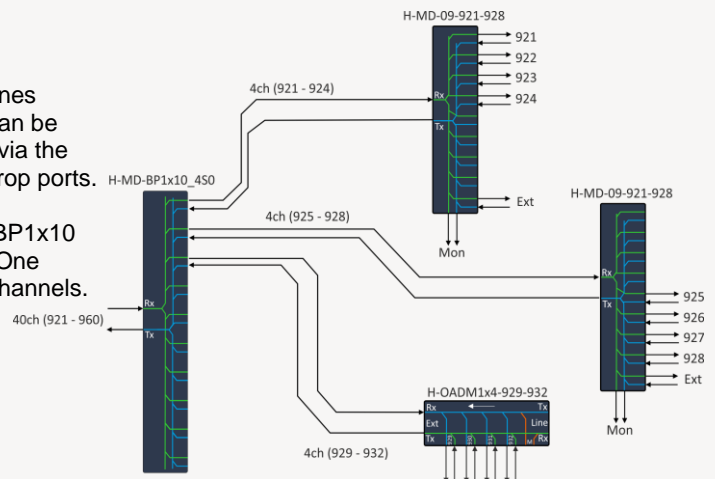


## OVERVIEW

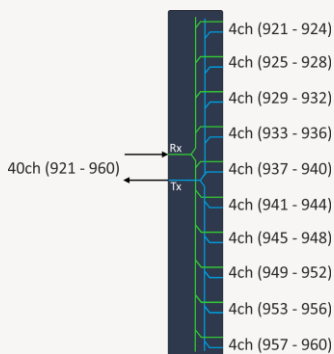
The H-MD-BP1x10 filter is a DWDM MuxDemux that separates/combines four DWDM channels in ten bands. The H-MD-09-xxx-yyy filter units can be used to extract the channels. A more optimized extraction is provided via the H-OADM1x4-xxx-yyy filters since that will not leave any unused add/drop ports.

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.

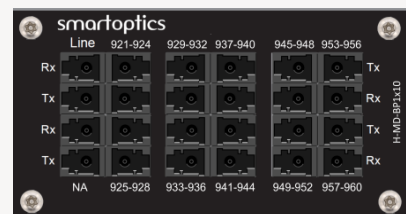


## FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



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



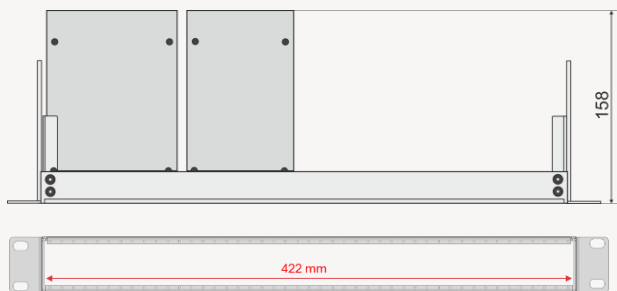
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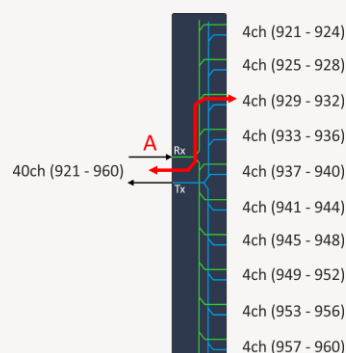
## TECHNICAL SPECIFICATIONS

Parameter	DWDM channels	Center $\lambda$	Passband (-0.5dB)
Channels Band 1	192.1 to 192.4 THz	1559.39nm	Min 2,66nm min
Band 2	192.5 to 192.8 THz	1556.15nm	Min 2,64nm
Band 3	192.9 to 193.2 THz	1552.925nm	Min 2,63nm
Band 4	193.3 to 193.6 THz	1549.715nm	Min 2,63nm
Band 5	193.7 to 194.0 THz	1546.52nm	Min 2,62nm
Band 6	194.1 to 194.4 THz	1543.335nm	Min 2,61nm
Band 7	194.5 to 194.8 THz	1540.165nm	Min 2,59nm
Band 8	194.9 to 195.2 THz	1537.005nm	Min 2,59nm
Band 9	195.3 to 195.6 THz	1533.86nm	Min 2,58nm
Band 10	195.7 to 196.0 THz	1530.725nm	Min 2,57nm
Channel spacing	100GHz		
Insertion loss, per band (A)	Typical 2.9dB Max 3.2dB		
Isolation, Adjacent Channel Passbands	Min 15dB		
Ripple, passband	Max 0.5dB		
Directivity	Min 45dB		
Return loss	Min 40dB		
Polarization dependent loss	Max 0.2dB		
Polarization mode dispersion	Max 0.20ps		
Operating temperature	-40°C to +85°C		
Storage temperature	-40°C to +85°C		
Max optical power	Max 500mW		
Connector type	LC/UPC		
Module width	84mm		

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

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