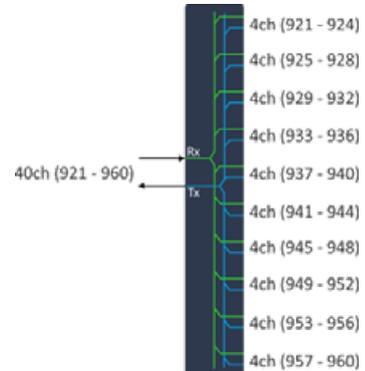
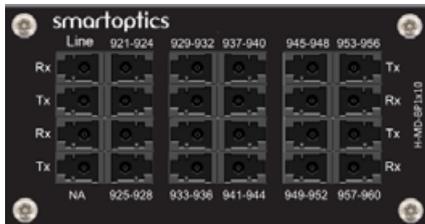


DATASHEET 5.3

H-MD-BP1x10

1x10 Band DWDM Mux/Demux, LC/UPC

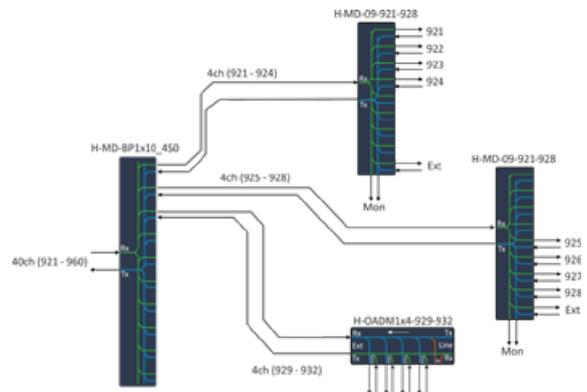


OVERVIEW

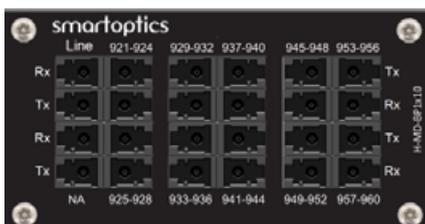
The H-MD-BP1x10 filter is a DWDM MuxDemux that separates/combines four DWDM channels in ten bands. The H-MD-09-xxx-yyy filter units can be used to extract the channels. A more optimized extraction is provided via the H-OADM1x4-xxx-yyy filters since that will not leave any unused add/drop ports.

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 -40oC to +85oC (-40°F to +185°F) which gives an extended application range into sites without temperature control.



FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



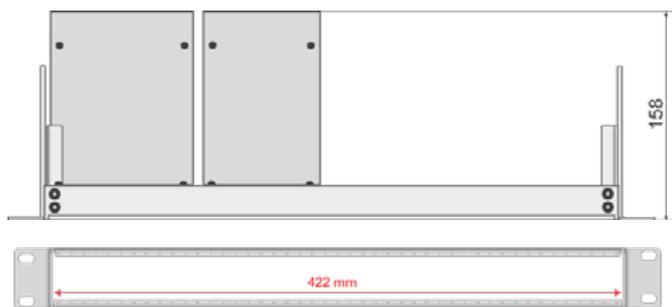
Line Rx	Tx 921-924	Rx 929-932	Tx 937-940	Rx 945-948	Tx 953-956
Line Tx	Rx 921-924	Tx 929-932	Rx 937-940	Tx 945-948	Rx 953-956
NA	Tx 925-928	Rx 933-936	Tx 941-944	Rx 949-952	Tx 957-960
NA	Rx 925-928	Tx 933-936	Rx 941-944	Tx 949-952	Rx 957-960

Please note order of Tx and Rx ports

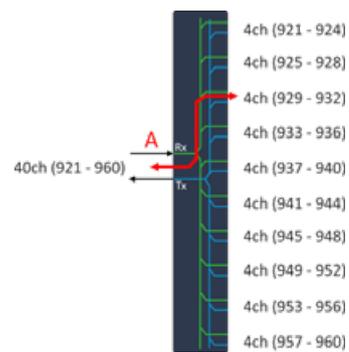
TECHNICAL SPECIFICATIONS

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)	2.9dB typical ¹⁾	3.2dB typical ¹⁾
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.



ORDERING INFORMATION

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