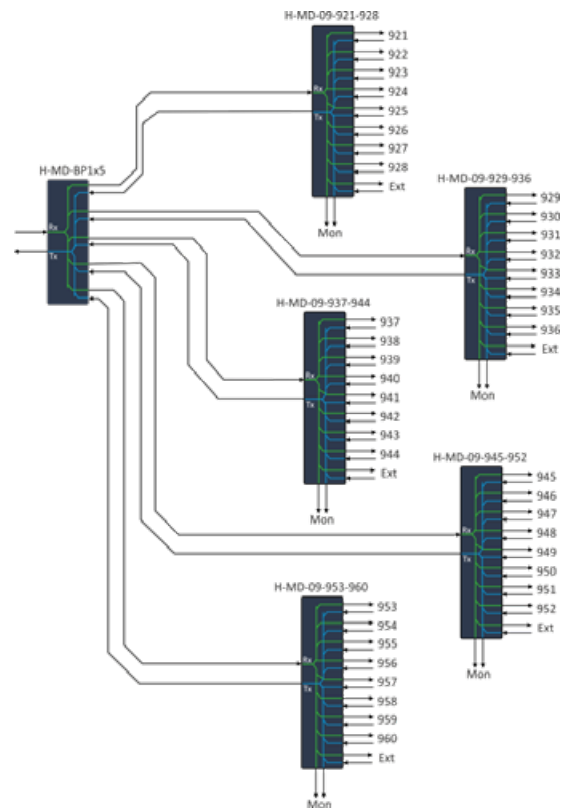
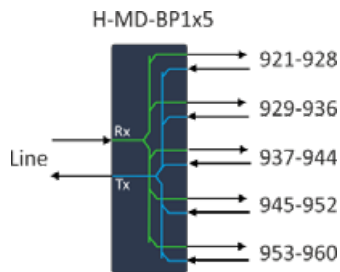
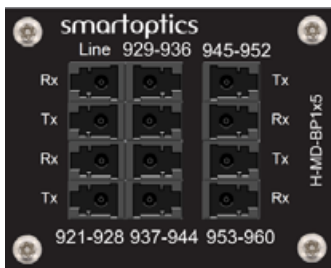


DATASHEET 5.1

H-MD-BP1x5

1x5 Band DWDM Mux/Demux, 921-928, 929-936, 937-944, 945-952, 953-960, LC/UPC

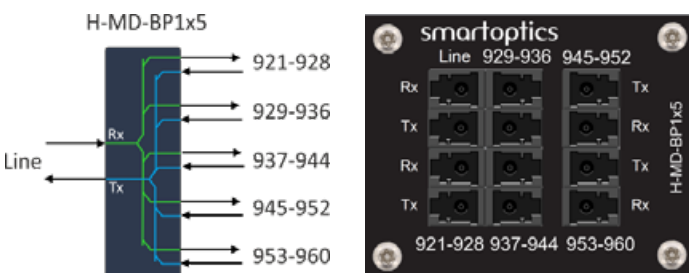


OVERVIEW

The H-MD-BP1x5 filter is a DWDM MuxDemux that separates/combines eight DWDM channels in five bands. This band-filter matches the channels of the H-MD-09-xxx-yyy filter units and provides increased flexibility in building effective networks. The figure shows an example where the H-MD-BP1x5 provides a fan-out of 40ch in an access network.

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



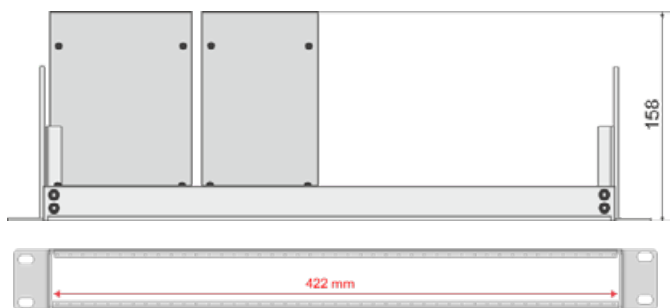
Line Rx	929-936 Tx	945-952 Tx
Line Tx	929-936 Rx	945-952 Rx
921-928 Rx	937-944 Tx	953-960 Tx
921-928 Tx	937-944 Rx	953-960 Rx

Please note order of Tx and Rx ports

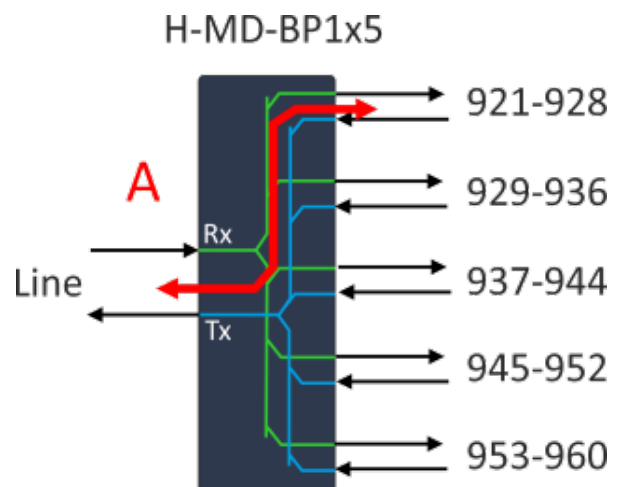
TECHNICAL SPECIFICATIONS

Parameter	Min	Max
Channels	Band 1	192.1 to 192.8 THz
	Band 2	192.9 to 193.6 THz
	Band 3	193.7 to 194.4 THz
	Band 4	194.5 to 195.2 THz
	Band 5	195.3 to 196.0 THz
Channel spacing	100GHz	
Channel passband	ITU±0.11nm	
Insertion loss, per band (A)	2.2dB typical ¹⁾	2.5dB 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	55mm	
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-BP1x5	H-Series: 1x5 Band DWDM Mux/Demux, 921-928, 929-936, 937-944, 945-952, 953-960, Insertion-loss=2.5dB, LC/UPC