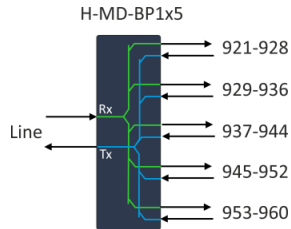
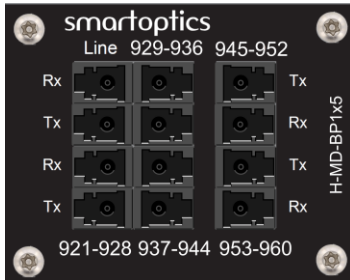


# H-MD-BP1x5

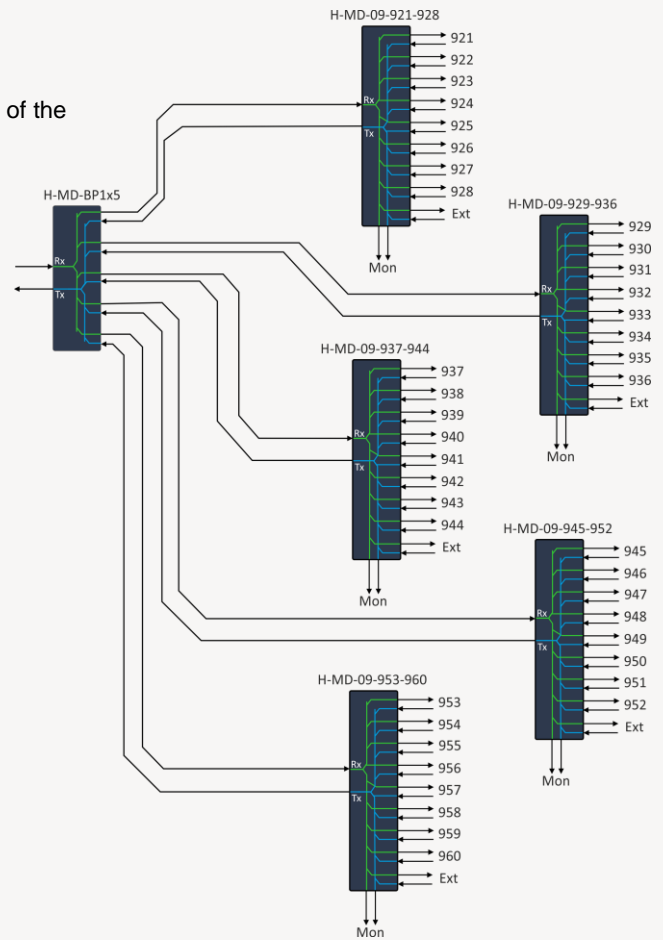
1x5 Band DWDM Mux/Demux, 921-928, 929-936, 937-944, 945-952, 953-960, LC/UPC



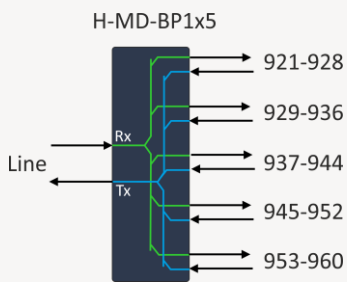
## OVERVIEW

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

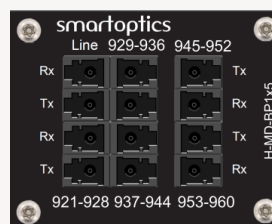


## FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



Line Rx	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

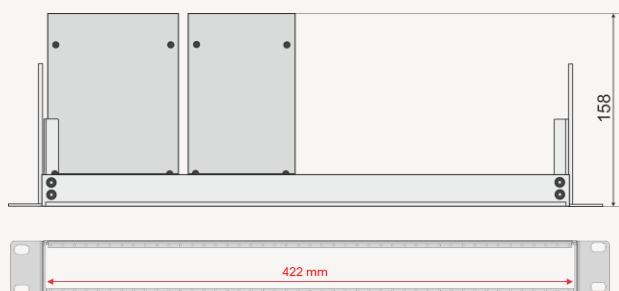
Please note order of Tx and Rx ports



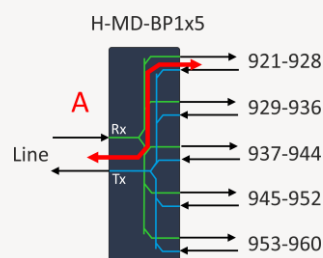
## TECHNICAL SPECIFICATIONS

Parameter			
Channels	Band 1	192.1 to 192.8THz	
	Band 2	192.9 to 193.6THz	
	Band 3	193.7 to 194.4THz	
	Band 4	194.5 to 195.2THz	
	Band 5	195.3 to 196.0THz	
Channel spacing	100GHz (ITU)		
Channel passband 1	Center wavelength: 1557.775nm	Passband (-0.5dB): Min 5.89nm	
Channel passband 2	Center wavelength: 1551.32nm	Passband (-0.5dB): Min 5.84nm	
Channel passband 3	Center wavelength: 1554.93nm	Passband (-0.5dB): Min 5.80nm	
Channel passband 4	Center wavelength: 1539.375nm	Passband (-0.5dB): Min 5.75nm	
Channel passband 5	Center wavelength: 1532.295nm	Passband (-0.5dB): Min 5.71nm	
Insertion loss, per band (A)	Typical 2.2dB Max 2.5dB		
Link loss per band, between two units	Max 4.0dB		
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		
Max optical power	Max 500mW		
Operating temperature	-40°C to +85°C		
Storage temperature	-40°C to +85°C		
Connector type	LC/UPC		

Module width 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-BP1x5	H-Series: 1x5 Band DWDM Mux/Demux, 921-928, 929-936, 937-944, 945-952, 953-960, Insertion-loss=2.5dB, LC/UPC

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