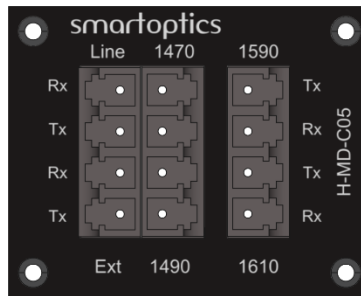


H-MD-C05

4 channel CWDM mux/demux with extension



OVERVIEW

The H-MD-C05 unit is a passive 4 channel CWDM protocol transparent mux/demux units. It operates with 20 nm spacing and have an additional extension port so that additional channels can be seamlessly connected to increase capacity. Channels operate in the CWDM high-band in dual fiber working configuration.

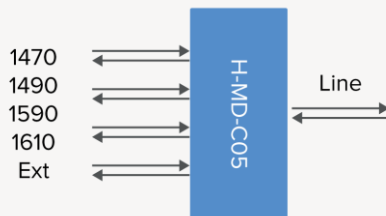
FUNCTIONAL DESCRIPTION

The extension port can be used for the following applications:

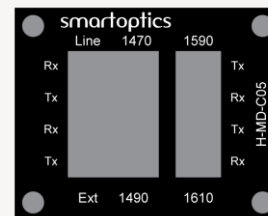
- Connect legacy 1310nm wavelengths
- Connect the H-MD-C08 unit to expand with 8 additional wavelengths in the CWDM low-band
- Connect any of the H-MD-09-xxx-yyy units to expand with 8 DWDM wavelengths.
- Connect any of the H-MD-16-xxx-yyy units to expand with 16 DWDM wavelengths.

Compliant to ITU-T G.694.2

FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



Line Rx	1470 Tx	1590 Rx
Line Tx	1470 Rx	1590 Tx
Ext Rx	1490 Tx	1610 Rx
Ext Tx	1490 Rx	1610 Tx



TECHNICAL SPECIFICATIONS

Parameter	Min	Max
Operating wavelength range	1260nm	1620nm
Channels	1471, 1491, 1591, 1611	
Channel spacing	20	
Channel passband	ITU±7	
Extension port channels	1271-1451, 1511-1571	
Link loss, per channel	3.0	
Insertion loss, extension port	1.8	
Isolation, adjacent channel	28	
Isolation, non-adjacent channel	40	
Ripple, passband	0.5	
Directivity	45	
Return loss	40	
Polarization dependant loss	0.2	
Polarization mode dispersion	0.20	

ORDER INFORMATION

The table below shows part number and a short description.

Part number	Description	Channels
H-MD-C05	4 channel CWDM mux/demux with extension	1471, 1491, 1591, 1611