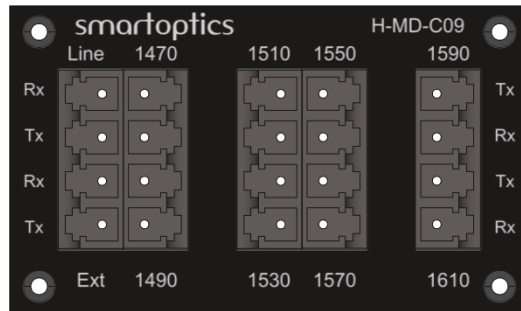


H-MD-C09

8 channel CWDM mux/demux with extension port



OVERVIEW

The H-MD-C09 unit is a passive 8 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.

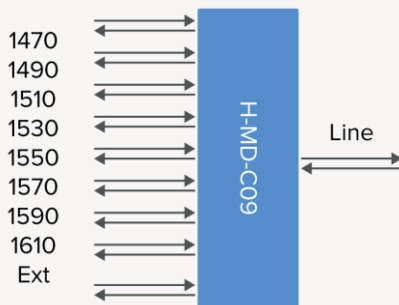
FUNCTIONAL DESCRIPTION

The extension port can be used for the following applications:

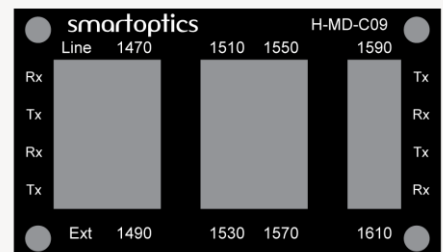
- Connect legacy 1310nm wavelengths
- Connect the H-MD-C08 unit to expand with 8 additional wavelengths in the CWDM low-band

Compliant to ITU-T G.694.2

FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



Line Rx	1470 Tx	1510 Rx	1550 Tx	1590 Rx
Line Tx	1470 Rx	1510 Tx	1550 Rx	1590 Tx
Ext Rx	1490 Tx	1510 Rx	1570 Tx	1610 Rx
Ext Tx	1490 Rx	1510 Tx	1570 Rx	1610 Tx



TECHNICAL SPECIFICATIONS

Parameter	Min	Max
Operating wavelength range	1260nm	1620nm
Channels	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611	
Channel spacing	20 nm	
Channel passband	ITU±7	
Extension port channels	1271-1451 nm	
Link loss, per channel	4.5 dB	
Insertion loss, extension port	3.5 dB	
Isolation, adjacent channel	28 dB	
Isolation, non-adjacent channel	40 dB	
Ripple, passband	0.5 dB	
Directivity	45 dB	
Return loss	40 dB	
Polarization dependant loss	0.2 dB	
Polarization mode dispersion	0.20 ps	

ORDER INFORMATION

The table below shows the part numbers and a short description for the H-MD-C09.

Part number	Description	Channels
H-MD-C09	8 channel CWDM mux/Demux with extension	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611