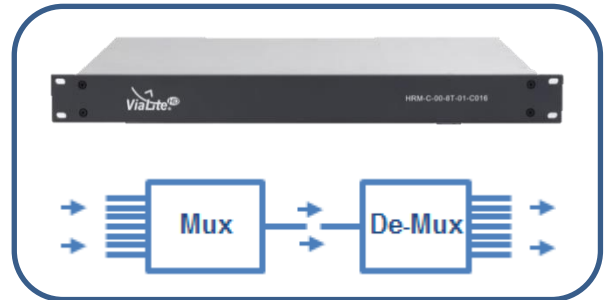


ViaLiteHD – CWDM/DWDM Mux/De-Mux

CWDM/DWDM Mux/De-Mux

- 8 & 16 Way CWDM Mux/De-Mux
- 8, 16, 32, 64 Way DWDM Mux/De-Mux
- Channels can be customer specific
- Compatible with any RF frequency
- 1U/2U rack chassis
- Standard 5-year warranty



The **ViaLiteHD** CWDM/DWDM multiplexers and de-multiplexers are available in 8 to 64-way variants and boast low insertion loss. They are available as part of a Ka-Band diversity system, long distance system (up to 600 km) or as a stand-alone product.

ViaLite Multiplexers are based on thin film filtering and metal sealing technology to give a flat channel bandwidth response, flexible channel configuration and low insertion loss with high isolation. This system has the advantage of a flexible channel configuration and modularized design making it convenient for system upgrades and expansions.

Features

- Low Insertion loss
- Rack mountable
- Passive device
- High channel isolation
- Low insertion loss
- High stability and reliability
- Compact design

Options

- FC/APC, SC/APC
- CWDM 1270 –1610 nm
- 50 GHz or 100 GHz channel spacing
- Custom channel numbering
- C-Band 1528.77 nm – 1563.86 nm
- L-Band 1569.59 nm – 1604.03 nm

Applications

Fixed satcom teleports
Ka-Band diversity systems
L-Band medium & long distance links
Oil and gas platforms
Networks with limited fiber availability

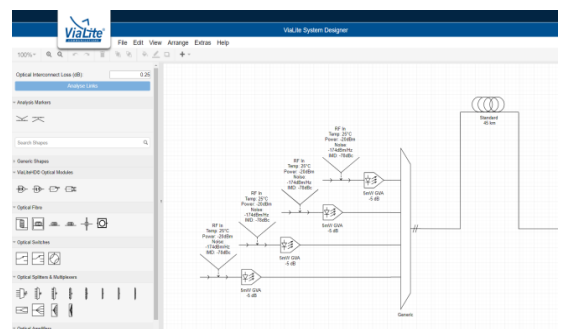
Related products

Long distance links
CWDM links
DWDM links
Diversity links
L-Band HTS 700-2450 MHz

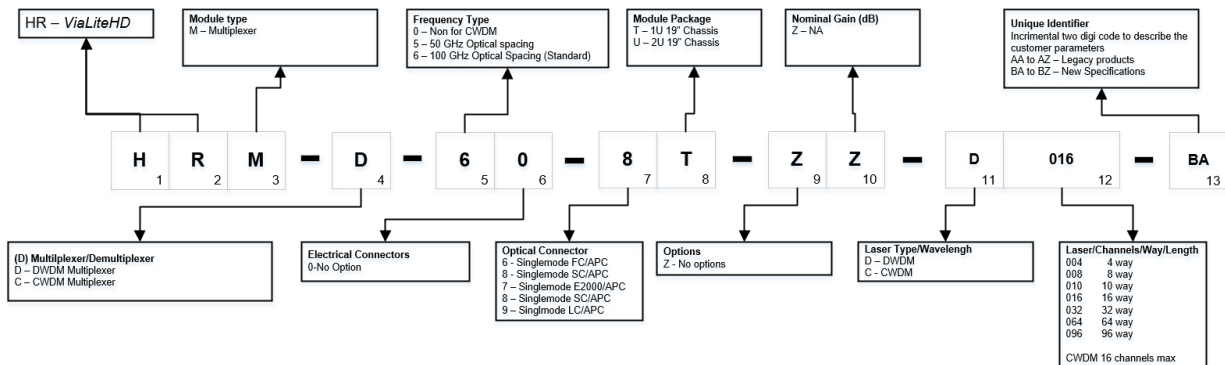
ViaLite System Designer

For complex designs where multiple CWDM / DWDM products are required the System Designer tool is essential for predicting and validating performance results. The software uses a drag and drop approach from a pallet of products. Once designed, the analyzer can be run to give end-to-end system results and these can then be saved as a detailed PDF.

Please ask our sales team for more information.







Product configurator



Technical specification

	DWDM – Mux / De-Mux
Part Number	HRM-D-60-8T-ZZ-D016-BA
Operational Wavelength	1528.77 nm – 1563.86 nm 1569.59 nm – 1604.03 nm
Operational Centre Wavelength	ITU Grid 100GHz
Center Wavelength accuracy	+/- 0.03 nm
Channel Spacing	100 GHz
Channel Passband (@ -0.5dB Bandwidth)	ITU +/- 0.11
PMD (Polarization Mode Dispersion)	<0.1ps
Bandpass Insertion Loss	<3.0 dB 8 Way <5.2 dB 16 Way <10.0dB 32 Way
Isolation optical non-adjacent channels	>35 dB
Isolation optical adjacent channels	>25 dB
Directivity	>50 dB
Return Loss	>50 dB
Fiber Type	SMF-28e with 0.9mm Loose Tube
Operating Temperature	0°C to + 70°C
Storage temperature range	-40°C to +85°C

Typically used with

Type	Key Features
<p>RF over Fiber L-Band HTS DWDM Links</p> 	<ul style="list-style-type: none"> • L-Band HTS (700-2450 MHz) • Up to 500 km systems available • 1 to 96 channels per fiber • Ideal for Ka-Band rain fade diversity • 5 mW Laser
<p>RF over Fiber Timing modules</p> 	<ul style="list-style-type: none"> • Radio timing signals: DCF, MSF signals JJY, BPC, HBG, TDF, WWVB, WWV, CHU, RJH, RWM, • IRIG-B • Loran-C & eLoran • 10kHz – 50 MHz signals • GPS (via GPS Link) • MiFID II standard
<p>Rack Chassis</p> 	<ul style="list-style-type: none"> • 3U accepts up to 13 RF or Support cards, plus an SNMP card and dual power supplies • A 1U chassis accepts up to 3 RF or Support cards or 2 cards and an SNMP card (with dual power supplies) • Up to 26 channels per 3U chassis (using dual RF cards) – reducing the amount of rack space required • Blind mate option • All modules hot-swappable and auto-reconfigure with SNMP option • On-card LNB and BUC power options • Power fed through rear chassis connector to card Bias Tees • System can be monitored and controlled remotely via SNMP using a web browser
<p>Outdoor Enclosures</p> 	<ul style="list-style-type: none"> • CE approved and EMC compatible • IP rated and NEMA approved • Plug and play format • Suitable for harsh environments • All modules hot swappable • Dual redundant power options • Interface for monitor and control (M&C) systems