

RF Over Fiber Systems 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

APPLICATIONS

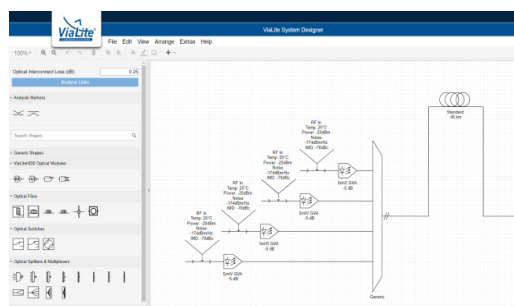
- Fixed satcom teleports
- Ka-Band diversity systems
- L-Band medium & long distance links
- Oil and gas platforms
- Networks with limited fiber availability

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

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.

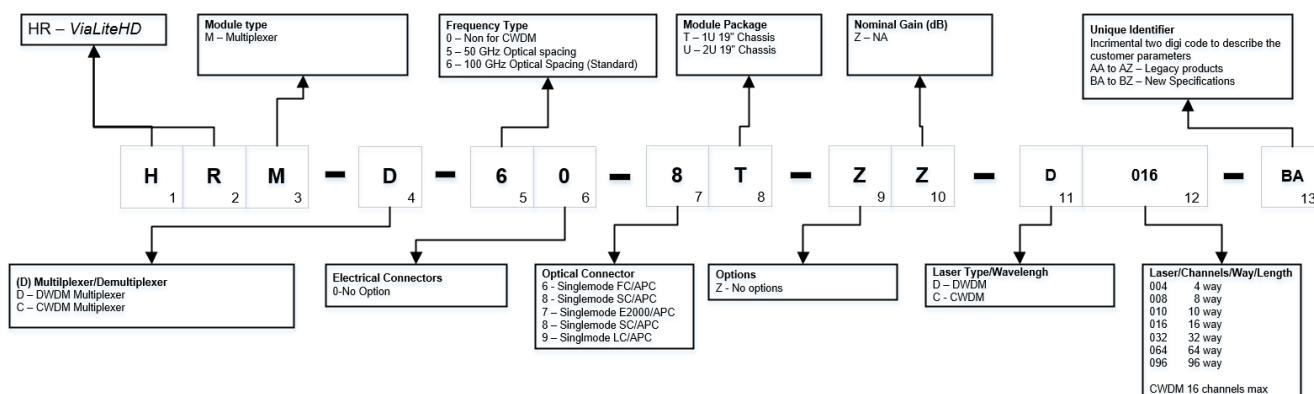


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PRODUCT CONFIGURATOR



TECHNICAL SPECIFICATION

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



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RF Over Fiber Systems CWDM/DWDM Mux/De-Mux

ACCESSORIES

RF over Fiber L-Band HTS DWDM Links



- 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

RF over Fiber Timing modules



- 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

Rack Chassis



- 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

Outdoor Enclosures



- 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

