

## ViaLiteHD® - L-Band 10 MHz Diplexer

### L-Band 10 MHz Diplexer

- 50 Ohm SMA
- DC pass through
- 10 MHz Diplexer
- 1 W forward power
- 1U 19" Shelf
- 1:8 Split
- Save chassis card space



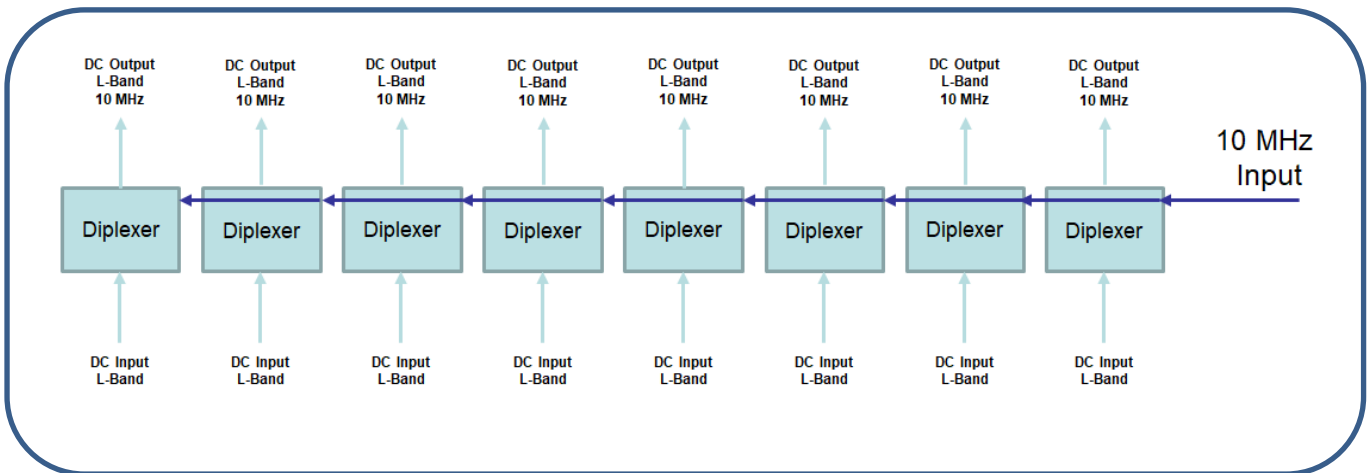
The **ViaLiteHD** L-Band 10 MHz RF Diplexer has been designed to distribute a single 10 MHz reference frequency. With low insertion loss, this compact high quality diplexer can be applied to a multitude of applications such as teleport sites, operations centers and VSAT broadcast operations.

#### Applications

- Satcom deployments
- Redundancy systems
- Long distance link systems
- Military communications
- Reference Frequency distribution

#### Related products

- HRD- L-Band Splitter
- L-Band chassis cards
- 3U Chassis
- 1:2 x 13 way RF Splitter
- RF Switches & Splitters



## Specifications

Model number	HRF-1-L1-0T-41-R008	
Description	Band 1	Band 2
Frequency range:	700-2450 MHz	5-15 MHz
Insertion loss	≤0.5 dB	≤10 dB
VSWR:	≤1.25	
Rejection	≥40 dB @ 5-15 MHz	≥40 dB @ 700-2500 MHz
Phase balance:	≤±2°	
Isolation:	≥60 dB @ Between each filter	
Power:	≤1 W CW	
Connector	SMA	
DC Pass	All L-band +10 MHz output ports	
Working temperature	-55 °C to +85 °C	

## Popular products

HRD-4-11-0T-41-R004

RF Splitter, 10MHz, 50Ohm SMA, No Optical, 1U Chassis, 4 Way

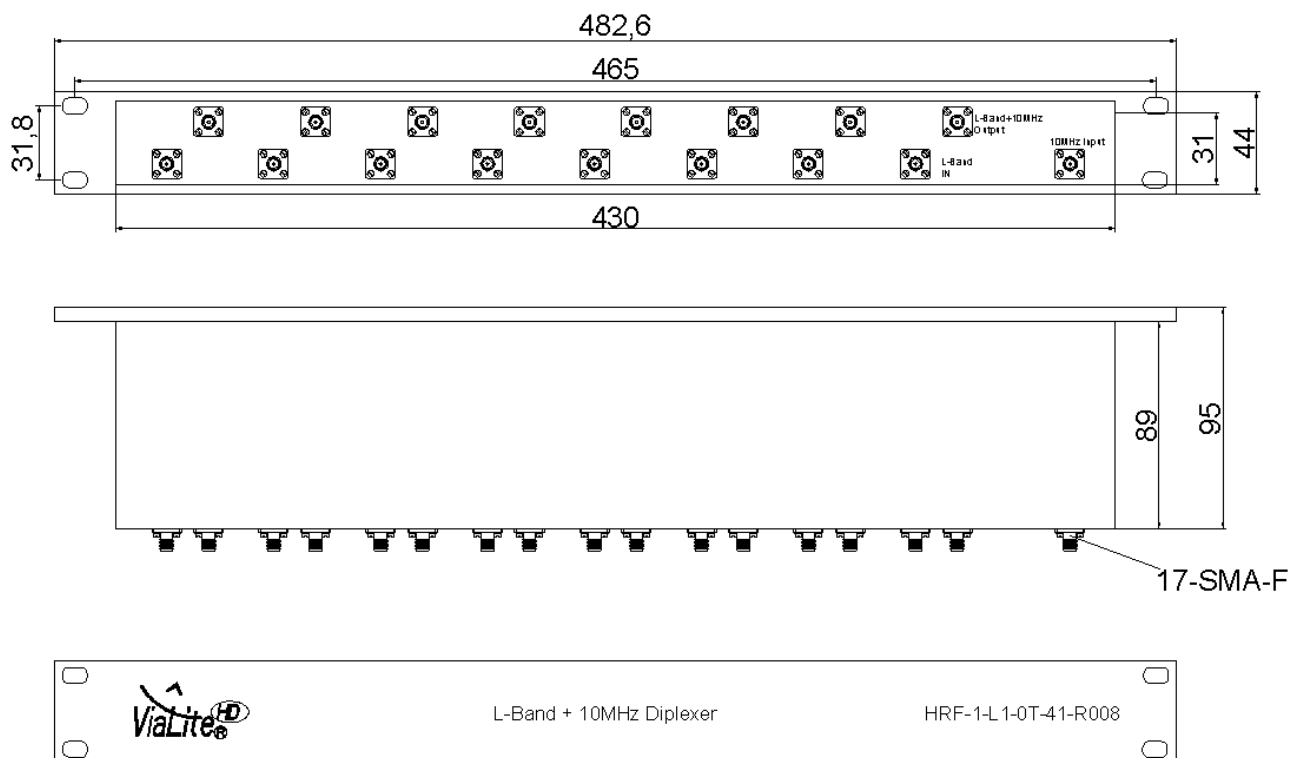
HRD-4-11-0T-41-R008

RF Splitter, 10MHz, 50Ohm SMA, No Optical, 1U Chassis, 8 Way

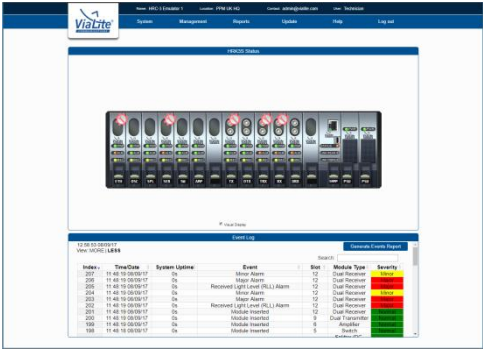
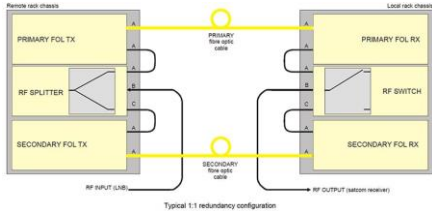


HRF-1-L1-0T-41-R008

RF Splitter, L-Band & 10MHz Diplexer, 50Ohm, SMA, No Optical, 1U, 8Way

## Connector positioning



## Accessories

Type	Key features
<p><b>SNMP/Web Browser Card</b></p> 	<ul style="list-style-type: none"> <li>• Easy to use graphical user interface (GUI)</li> <li>• Real time monitoring of card performance</li> <li>• Alarm monitoring and event logging</li> <li>• Control of gain adjustment</li> <li>• Compatible with all <b>ViaLiteHD</b> rack chassis and cards</li> <li>• Easy integration with network management systems (NMS) using management information base (MIB) tables</li> <li>• Actively manage redundancy switching</li> <li>• New RF cards can be automatically reprogrammed with the previous card parameters</li> <li>• Remote SNMP to local SNMP connection via optical fiber</li> <li>• Provides remote LAN 10/100 Ethernet link</li> </ul>
<p><b>Dual Redundancy</b></p> 	<ul style="list-style-type: none"> <li>• 1:1 redundancy for L-Band</li> <li>• Maximizes link up-time</li> <li>• Can be used to backup copper coax</li> <li>• Manual and automatic control via SNMP</li> <li>• Flexible configuration options</li> <li>• Other redundancy options available</li> </ul>
<p><b>Rack Chassis</b></p> 	<ul style="list-style-type: none"> <li>• 3U accepts up to 13 RF or Support cards, plus an SNMP card and dual power supplies</li> <li>• A 1U chassis accepts up to 3 RF or Support cards or 2 cards and an SNMP card (with dual power supplies)</li> <li>• Up to 26 channels per 3U chassis (using dual RF cards) – reducing the amount of rack space required</li> <li>• Blind mate option</li> <li>• All modules hot-swappable and auto-reconfigure with SNMP option</li> <li>• On-card LNB and BUC power options</li> <li>• Power fed through rear chassis connector to card Bias Tees</li> <li>• System can be monitored and controlled remotely via SNMP using a web browser</li> </ul>
<p><b>Outdoor Enclosures</b></p> 	<ul style="list-style-type: none"> <li>• CE approved and EMC compatible</li> <li>• IP rated and NEMA approved</li> <li>• Plug and play format</li> <li>• Suitable for harsh environments</li> <li>• All modules hot swappable</li> <li>• Dual redundant power options</li> <li>• Interface for monitor and control (M&amp;C) systems</li> </ul>