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HRD-4 RF Splitters

- 50or75OhmRFport
- DC pass through
- 700 MHz to 3 GHz range
- 10 W max forward power
- 1U 19" shelf
- 13 inputs 1:2 Split
- SMA or BNC options

The ViaLiteHD RF splitters have been designed specifically to save space in a 19" rack deployment and in the ViaLite 19" chassis by negating the need to have a splitter card installed. With enough capacity to locally split the output from a full 19" chassis, the splitters are ideal for L-Band redundancy applications. The solution comes in two types - 50 & 75 Ohm - which are fitted with either SMA or BNC connectors accordingly.
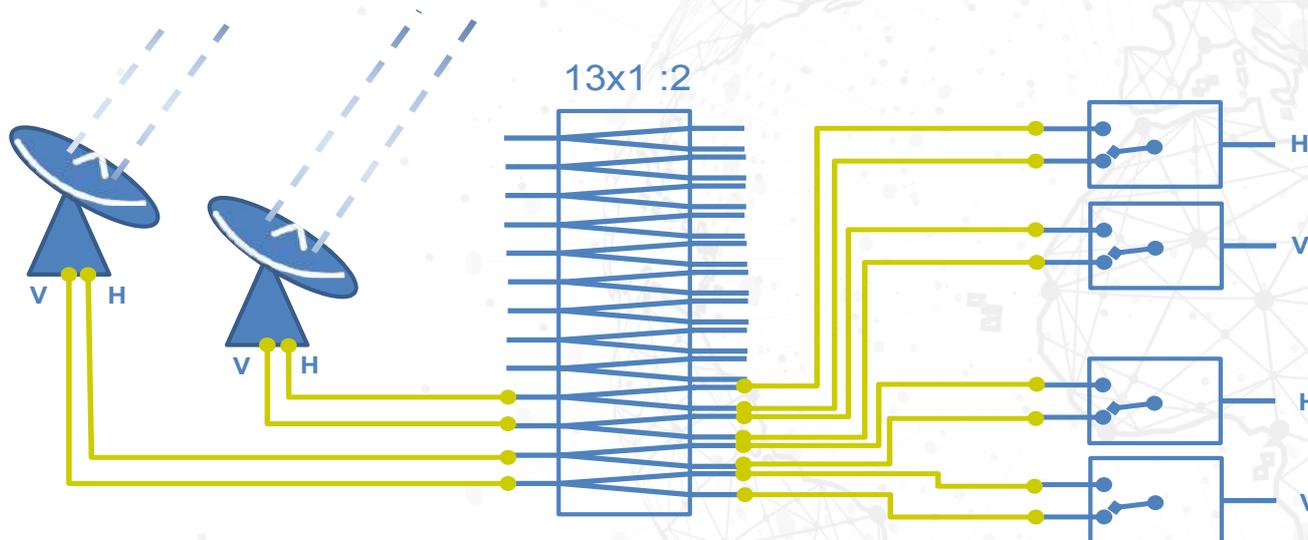
APPLICATIONS

- L-Band satcom
- Redundancy
- GPS distribution
- Saving rack space
- Military communications

RELATED PRODUCTS

- HRK-1 19" chassis
- L-Band chassis cards
- 1U L-Band 10 MHz 1:8 Splitter
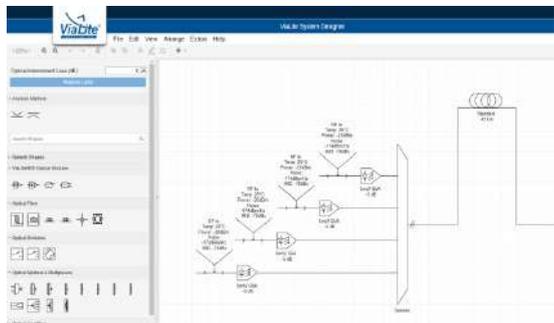- 1U L-Band 10 MHz Diplexer
- GPS chassis cards

L-BAND REDUNDANCY EXAMPLE

13x1 :2

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3 avenue du Canada, bât. Zeta, 91940 Les Ulis, France   +33 1 69 18 19 30   www.eurosatcom.eu   sales@eurosatcom.eu

VIALITE SYSTEM DESIGNER

For complex designs where multiple 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 ran to give end-to-end system results and these can then be saved as a detailed PDF.

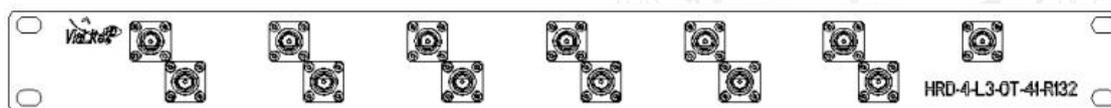Please ask our sales team for more information.

POPULAR PRODUCTS

HRD-4-L1-0T-41-R132	50 Ohm SMA
HRD-4-L3-0T-41-R132	75 Ohm BNC

TECHNICAL SPECIFICATIONS
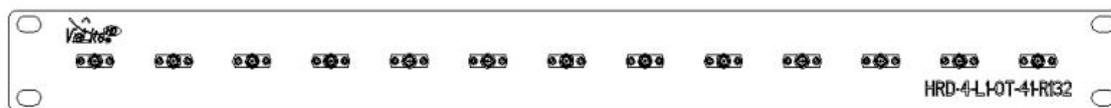
for 13x 1:2 splitter

Part number	HRD-4-L1-0T-41-R132, HRD-4-L3-0T-41-R132
Frequency range	698 MHz to 3 GHz
Insertion loss	<0.5 dB
Number of splitters / 1U rack	13
Splitter ways	1:2
VSWR	1:3 (Max)
Isolation	>20 dB
Power rating	10W
Amplitude balance	+/- 0.2 dB
Impedance	50 or 75 Ohm
DC Pass through	13 v to 22 v
Connectors	SMA (50 Ohm) BNC (75 Ohm)
Operating temperature range	-35 °C to +75 °C
Storage temperature range	-40 °C to +85 °C

CONNECTOR POSITIONING

75 Ohm

50 Ohm

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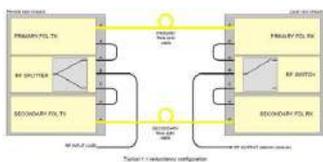
ACCESSORIES

SNMP/Web Browser Card

- Easy to use graphical user interface (GUI)
- Real time monitoring of card performance
- Alarm monitoring and event logging
- Control of gain adjustment
- Compatible with all ViaLiteHD rack chassis and cards
- Easy integration with network management systems (NMS) using management information base (MIB) tables
- Actively manage redundancy switching
- New RF cards can be automatically reprogrammed with the previous card parameters
- Remote SNMP to local SNMP connection via optical fiber
- Provides remote LAN 10/100 Ethernet link

Dual Redundancy

- 1:1 redundancy for L-Band
- Maximises link up-time
- Can be used to backup copper coax
- Manual and automatic control via SNMP
- Flexible configuration options
- Other redundancy options available

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

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