

1:8 L-Band Splitters with 50 Ohm, N(f)



The final product may vary from the above image depending on the options selected.

Products

| | |
|-------------------|--|
| DEV 2132/N | 1:8 Active Splitter; 800...2450 MHz; 50 Ohm, N (f) |
| DEV 2142/N | 1:8 Managed Distribution Amplifier; 800...2450 MHz; 50 Ohm, N (f) |
| DEV 2152/N | 1:8 Redundant Distribution Amplifier; 800...2450 MHz; 50 Ohm, N (f) |

Common Features

- 1:8 L-Band Splitters in a 19" 1 RU Chassis
- Impedance 50 Ohm with N Connectors
- Redundant Power Supplies

Features DEV 2132/N

- LNB Power Supply with Current Monitoring providing adjustable Thresholds and Alarm Indication
- RF Sensing with adjustable Threshold and Alarm Indication

Features DEV 2142/N and DEV 2152/N

- Variable Gain
- Variable Slope
- RF Sensing
- LNB Power with Current Monitoring, switchable 13/18 V and 22 kHz Tone
- SNMP Support
- DEV Web Interface
- Signal Recording Option

Additional Feature DEV 2152/N

- Redundant Amplifier

Technical Data

DEV 2132/N 1:8 Active Splitter; 800...2450 MHz; 50 Ohm, N (f)
DEV 2142/N 1:8 Managed Distribution Amplifier; 800...2450 MHz; 50 Ohm, N (f)
DEV 2152/N 1:8 Redundant Distribution Amplifier; 800...2450 MHz; 50 Ohm, N (f)

Capacity

Number of Input Ports 1
 Number of Output Ports 8

RF Specifications

Frequency Range 800...2450 MHz
 Impedance, Connectors 50 Ohm, N (f)
 Damage Level +10 dBm
 Nominal Input Level -10 dBm
 Return Loss >14 dB
 Amplifier Gain Variation
DEV 2132/N: N/A
DEV 2142/N: -15...11±0.5 dB
DEV 2152/N: -5...5±0.5 dB
 Variable Slope
DEV 2132/N: N/A
DEV 2142/N: 0...5 dB
DEV 2152/N: 0...5 dB
 Insertion Loss 0±1.5 dB
 Flatness ±1 dB (800...2450 MHz)
 ±0.25 dB (in any 36 MHz Interval)
 Isolation between Output Ports >25 dB
 Intermodulation Distortion <-40 dBc (two Tones @ -13 dBm)
 Group Delay Distortion <0.5 ns (in any 36 MHz Interval)
 Noise Figure
DEV 2132/N: <13 dB
DEV 2142/N: <13 dB
DEV 2152/N: <15 dB

Monitoring Port(s)

Impedance, Connector 50 Ohm, SMA (f)
 Return Loss >14 dB
 Frequency Response = Input Level -20±3 dB

LNB Power & Current Monitoring

LNB Power max. 380 mA (per Channel)
 Voltage and Tone Control 13 V, 18 V and 0 Hz, 22 kHz
 Voltage/Tone Control Selection
DEV 2132/N: The voltage/tone is selectable for each channel using a standard terminal application via the (related) USB interface at the front side of the chassis.
DEV 2142/N: via Web Interface or via SNMP
DEV 2152/N: via Web Interface or via SNMP

Adjustable Level Setting:

- Upper Alarm Level • max. 380 mA
- Lower Alarm Level • min. 50 mA

Alarm Threshold Adjustment
DEV 2132/N: The upper and lower alarm levels are adjustable for each channel using a standard terminal application via the (related) USB interface at the front side of the chassis.
DEV 2142/N: via Web Interface or via SNMP
DEV 2152/N: via Web Interface or via SNMP

Alarm Indication
DEV 2132/N: via LED
DEV 2142/N: via LED additionally via Web Interface or via SNMP
DEV 2152/N: via LED additionally via Web Interface or via SNMP

Technical Data (cont.)

RF Sensing

| | |
|----------------------------|--|
| Adjustable Threshold Level | 0 dBm > Threshold Level > -50 dBm |
| Alarm Threshold Adjustment | <u>DEV 2132/N</u> : The threshold level is adjustable for each channel using a standard terminal application via the (related) USB interface at the front side of the chassis. <u>DEV 2142/N</u> : via Web Interface or via SNMP <u>DEV 2152/N</u> : via Web Interface or via SNMP |
| Threshold Level Accuracy | ±3 dB |
| Threshold Repeatability | <0.5 dB |
| Alarm Indication | <u>DEV 2132/N</u> : via LED <u>DEV 2142/N</u> : via LED additionally via Web Interface or via SNMP <u>DEV 2152/N</u> : via LED additionally via Web Interface or via SNMP |

Remote Communication (DEV 2142/N and DEV 2152/N only)

| | |
|---|---|
| Interface (Connector) | Ethernet (RJ-45) |
| Remote Control & Surveillance (Interface) | <ul style="list-style-type: none"> • via Web Interface (Ethernet) • via SNMP (Ethernet) |

Redundant Power Supply

| | |
|-------------------|--|
| Supply Voltage | 100...240 V AC supplied by two different Lines |
| Power Consumption | <35 VA |

General Specifications

| | |
|--------------------------|--|
| Size | 19" (483 mm) Width, 1 RU (44 mm) Height, ~260 mm Depth |
| Weight | ~2 kg |
| Environmental Conditions | ETS 300019 Part 1-3 Class 3.1E |

Option 77 Signal Recording (DEV 2142/N and DEV 2152/N only)

With applied Option 77, the Web Interface additionally provides the Recording Window that permits the visualization and the external storage of amplifier signal data.

Order Information

Products and Options

| | |
|------------|---|
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| Option 77 | Signal Recording |
| DEV 2152/N | 1:8 Redundant Distribution Amplifier; 800...2450 MHz; 50 Ohm, N (f) |
| Option 77 | Signal Recording |

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Rev. 07-Nov-2023

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