

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. 450 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. 450 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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DEV 2142/N	1:8 Managed Distribution Amplifier; 800...2450 MHz; 50 Ohm, N (f)
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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