

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



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

Products

DEV 2232/N	8:1 Active Combiner; 800...2450 MHz; 50 Ohm, N (f)
DEV 2242/N	8:1 Managed Combining Amplifier; 800...2450 MHz; 50 Ohm, N (f)
DEV 2252/N	8:1 Redundant Combining Amplifier; 800...2450 MHz; 50 Ohm, N (f)

Common Features

- 8:1 L-Band Combiners in a 19" 1 RU Chassis
- Impedance 50 Ohm with N Connectors
- DC blocked Input Ports
- Redundant Power Supplies

Features DEV 2232/N

- RF Sensing with adjustable Threshold and Alarm Indication

Features DEV 2242/N and DEV 2252/N

- Variable Gain
- Variable Slope
- RF Sensing
- SNMP Support
- DEV Web Interface
- Signal Recording Option

Additional Feature DEV 2252/N

- Redundant Amplifier

Technical Data

DEV 2232/N 8:1 Active Combiner; 800...2450 MHz; 50 Ohm, N (f)

DEV 2242/N 8:1 Managed Combining Amplifier; 800...2450 MHz; 50 Ohm, N (f)

DEV 2252/N 8:1 Redundant Combining Amplifier; 800...2450 MHz; 50 Ohm, N (f)

Capacity

Number of Input Ports 8

Number of Output Ports 1

RF Specifications

Frequency Range 800...2450 MHz

Impedance, Connectors 50 Ohm, N (f)

Damage Level +10 dBm

Nominal Input Level -10 dBm (aggregated Power)

Return Loss >14 dB

Amplifier Gain Variation DEV 2232/N: N/A

DEV 2242/N: -15...11±0.5 dB

DEV 2252/N: -15...5±0.5 dB

Variable Slope DEV 2232/N: N/A

DEV 2242/N: 0...5 dB

DEV 2252/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 Input Ports >25 dB

Intermodulation Distortion <-40 dBc (two Tones @ -13 dBm)

Group Delay Distortion <0.5 ns (in any 36 MHz Interval)

Noise Figure <25 dB

Monitoring Port(s)

Impedance, Connector 50 Ohm, SMA (f)

Return Loss >14 dB

Frequency Response = Input Level -32±3 dB

RF Sensing

Adjustable Threshold Level 0 dBm > Threshold Level > -50 dBm

Alarm Threshold Adjustment DEV 2232/N: 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.

DEV 2242/N: via Web Interface or via SNMP

DEV 2252/N: via Web Interface or via SNMP

Threshold Level Accuracy ±3 dB

Threshold Repeatability <0.5 dB

Alarm Indication DEV 2232/N: via LED

DEV 2242/N: via LED additionally via Web Interface or via SNMP

DEV 2252/N: via LED additionally via Web Interface or via SNMP

Remote Communication (DEV 2242/N and DEV 2252/N only)

Interface (Connector) Ethernet (RJ-45)

Remote Control & Surveillance (Interface) • 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 2242/N and DEV 2252/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 2252/N	8:1 Redundant Combining Amplifier; 800...2450 MHz; 50 Ohm, N (f)
Option 77	Signal Recording

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