

Active L-Band Splitters



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

Products

DEV 2132	1:8 Active Splitter; 800...2450 MHz
DEV 2133	2*1:8 Active Splitter; 800...2450 MHz
DEV 2135	1:16 Active Splitter; 800...2450 MHz

Features

- Active L-Band Splitters in a 19" 1 RU Chassis
- Impedance 50 Ohm or 75 Ohm or mixed Impedances for Input Port and Output Ports available
- LNB Power Supply with Current Monitoring providing adjustable Thresholds and Alarm Indication
- RF Sensing with adjustable Threshold and Alarm Indication
- Redundant Power Supplies

Technical Data

DEV 2132	1:8 Active Splitter; 800...2450 MHz
DEV 2133	2*1:8 Active Splitter; 800...2450 MHz
DEV 2135	1:16 Active Splitter; 800...2450 MHz

■ Note that it is mandatory to select product version options to specify the connector configuration of the product, please refer to the Order Information section

Capacity

Number of Input Ports	DEV 2132: 1	DEV 2133: 2*1	DEV 2135: 1
Number of Output Ports	DEV 2132: 8	DEV 2133: 2*8	DEV 2135: 16

RF Specifications

Frequency Range	800...2450 MHz
Impedance, Connectors	for all 50 Ohm Ports: 50 Ohm, SMA (f) or 50 Ohm, BNC (f) for all 75 Ohm Ports: 75 Ohm, precision F (f) or 75 Ohm, BNC (f)
Damage Level	+10 dBm
Nominal Input Level	-10 dBm
Return Loss	>14 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	<13 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	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.

Adjustable Level Setting:

• Upper Alarm Level	• max. 450 mA
• Lower Alarm Level	• min. 50 mA
Alarm Threshold Adjustment	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.

Alarm Indication via LED

RF Sensing

Adjustable Threshold Level	0 dBm > Threshold Level > -50 dBm
Alarm Threshold Adjustment	The threshold level is adjustable for each channel using a standard terminal application via the (related) USB interface at the chassis front side.
Threshold Level Accuracy	±3 dB
Threshold Repeatability	<0.5 dB
Alarm Indication	via LED

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

Order Information

Products

DEV 2132	1:8	Active Splitter; 800...2450 MHz
DEV 2133	2*1:8	Active Splitter; 800...2450 MHz
DEV 2135	1:16	Active Splitter; 800...2450 MHz

Product Version Options

■ The impedance and the RF connectors of the product can be configured very flexible.

Thus, for ordering a product, it is mandatory to specify

a) one of the following options per splitter input port and

b) one of the following options per 8 splitter output ports

a) Splitter Input Port Options

Option vSin50	One Splitter Input Port 50 Ohm, SMA (f)
Option vSin50B	One Splitter Input Port 50 Ohm, BNC (f)
Option vSin75	One Splitter Input Port 75 Ohm, F (f)
Option vSin75B	One Splitter Input Port 75 Ohm, BNC (f)

b) Splitter Output Ports Options

Option vSout50	Eight Splitter Output Ports 50 Ohm, SMA (f)
Option vSout50B	Eight Splitter Output Ports 50 Ohm, BNC (f)
Option vSout75	Eight Splitter Output Ports 75 Ohm, F (f)
Option vSout75B	Eight Splitter Output Ports 75 Ohm, BNC (f)

Order Examples

DEV 2132 with all ports in 75 Ohm, F (f)

- 1 × DEV 2132
- 1 × Option vSin75
- 1 × Option vSout75

DEV 2133 with all ports of the first splitter in 75 Ohm, F (f) and with all ports of the second splitter in 75 Ohm, BNC (f)

- 1 × DEV 2133
- 1 × Option vSin75
- 1 × Option vSout75
- 1 × Option vSin75B
- 1 × Option vSout75B

DEV 2135 with the input port in 50 Ohm, SMA (f), 8 splitter output ports in 75 Ohm, F (f), and 8 splitter output ports in 75 Ohm, BNC (f)

- 1 × DEV 2135
- 1 × Option vSin50
- 1 × Option vSout75
- 1 × Option vSout75B

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