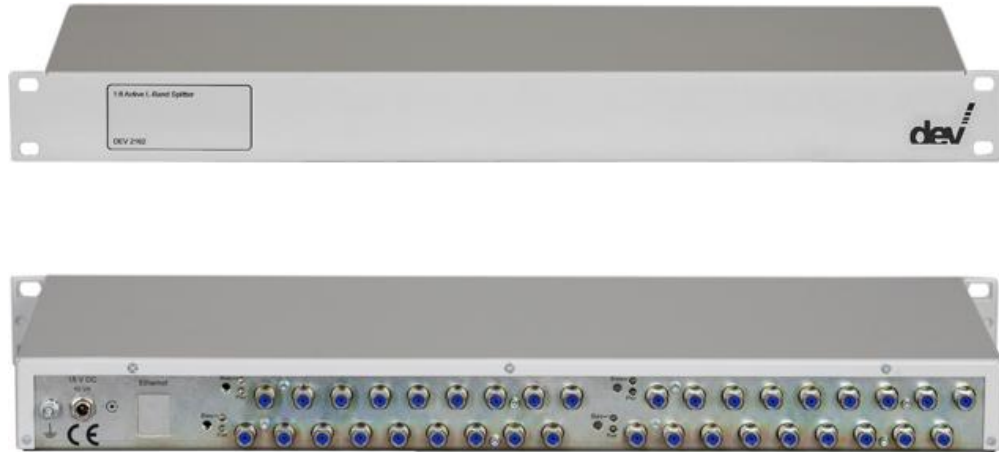


Active L-Band Splitters

Core Function Products Series



Products

DEV 2161	1:4 Active L-Band Splitter, 75 Ohm F (f)
DEV 2162	1:8 Active L-Band Splitter, 75 Ohm F (f)

Description

The DEV 2161 and DEV 2162 are active splitters for the frequency range 500...2300 MHz.

Each product is equipped with a single splitter unit with either 4 output ports (DEV 2161) or 8 output ports (DEV 2162).

Optionally, the DEV 2161 and DEV 2162 can be ordered with up to three additional splitter units.

Compared with DEV standard products, the Core Function Products provide the same superior RF transmission quality without certain features such as integrated redundant power supplies, monitoring ports, RF sensing and other alarm functionality.

Features

- ▀ Frequency range 500...2300 MHz
- ▀ Up to four splitter units can be integrated within the compact 1 RU chassis
- ▀ On/off switchable LNB power provided at the input port of each splitter unit

Technical Data

DEV 2161, DEV 2162 Active L-Band Splitters

RF Specifications

Frequency range	500...2300 MHz	
Number of splitter units	1...4	
Number of outputs per splitter unit	4	(DEV 2161),
	8	(DEV 2162)
Outputs DC blocked	yes	
Impedance, connectors	75 Ohm, Precision F (f)	
Input damage level	120 dB μ V	
Return loss	>14 dB	(all ports)
Insertion loss	0 \pm 1.5 dB	
Frequency response	\pm 1.0 dB	(500...2300 MHz)
	\pm 0.2 dB	(within any 36 MHz interval)
Isolation between output ports	>20 dB	(600...2300 MHz)
	>16 dB	(500...600 MHz)
P _{1dB}	typ. 0 dBm	
IM3	>40 dBc @ 2000 MHz,	measured with 2 tones of -6 dBm each, separated by 5 MHz
Noise figure	<8 dB	

Bias

Bias	15+3/-0 V; <350 mA	(per input, on/off switchable)
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External Power Supply

Power supply	100...240 V AC
Power consumption	typ. <12 VA plus LNB power

General Specifications

Housing	19" (483 mm), 1 RU (44 mm), 210 mm depth
Weight	~2.5 kg + 0.3 kg power supply
Environmental conditions	ETS 300019 Part 1-3 Class 3.1

Order Information

DEV 2161	1:4	Active L-Band Splitter, 75 Ohm F (f)
Option 30		Additional 1:4 Splitter Unit (this option can be ordered up to three times)
DEV 2162	1:8	Active L-Band Splitter, 75 Ohm F (f)
Option 31		Additional 1:8 Splitter Unit (this option can be ordered up to three times)

Contact

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