

## Passive L-Band Splitters



### Products:

<b>DEV 2261/50</b> -	1:4	L-Band Splitter, 50 Ohm
<b>DEV 2261/75</b> -	1:4	L-Band Splitter, 75 Ohm
<b>DEV 2262/50</b> -	1:8	L-Band Splitter, 50 Ohm
<b>DEV 2262/75</b> -	1:8	L-Band Splitter, 75 Ohm
<b>DEV 2263/50</b> -	2 * 1:8	L-Band Splitter, 50 Ohm
<b>DEV 2263/75</b> -	2 * 1:8	L-Band Splitter, 75 Ohm
<b>DEV 2265/50</b> -	1:16	L-Band Splitter, 50 Ohm
<b>DEV 2265/75</b> -	1:16	L-Band Splitter, 75 Ohm
<b>DEV 2267/50</b> -	1:32	L-Band Splitter, 75 Ohm

### Features:

- Series of passive L-Band Splitters
- Versions in 50 Ohm with SMA Connectors and in 75 Ohm with Precision F Connectors
- Monitoring Port
- DC blocked Inputs

### Application Areas:

- Satellite Ground Stations
- Cable Head End Stations

*Front DEV 2265**Rear DEV 2265/75*

### **The Situation**

In satellite ground stations and cable head end stations the incoming signal needs to be split so that all receivers operated in parallel get the same satellite signal.

### **Introducing the DEV Solution**

DEV Systemtechnik has developed a series of passive L-Band splitters to provide high performance subsystem splitters for premium quality transmission.

### **The Technical Concept**

The instruments of this series are passive L-Band splitters with one or two inputs and 4, 8, 16 or 32 outputs, which carry the same signal.

All inputs are DC blocked and a monitoring port carries the output signal at a reduced level.

In case of the DEV 2267/50 the monitoring port is located at the front side, the monitoring port(s) of all other splitters are available at the rear side of the compact 1 RU chassis.

By default, the instruments of this series are offered in either 50 Ohm with SMA connectors or in 75 Ohm with precision F connectors. Mixed impedances for input(s) and outputs are possible on request, please contact DEV Systemtechnik.

## Technical Data

### DEV 226x/zz Passive L-Band Splitters

#### RF Specifications

Frequency range	950...2150 MHz	
Number of inputs	1	(DEV 2261/zz, DEV 2262/zz) DEV 2265/zz, DEV 2267/zz)
	2	(DEV 2263/zz)
Number of outputs	4	(DEV 2261/zz)
	8	(DEV 2262/zz)
	2 * 8	(DEV 2263/zz)
	16	(DEV 2265/zz)
	32	(DEV 2267/zz)
Impedance, connectors	50 Ohm, SMA (f)	(DEV 226x/50)
	75 Ohm, Precision F (f)	(DEV 226x/75)
Return loss input	>14 dB	
Return loss output	>16 dB	
Insertion loss	<13 dB $\pm$ 2 dB	(DEV 2261/50, DEV 2262/50 DEV 2263/50)
	<15 dB $\pm$ 2 dB	(DEV 2261/75, DEV 2262/75 DEV 2263/75)
	<17 dB $\pm$ 2 dB	(DEV 2265/50)
	<19 dB $\pm$ 2 dB	(DEV 2265/75)
	<24 dB $\pm$ 2 dB	(DEV 2267/50)
Frequency response	$\pm$ 0.5 dB	(950...2150 MHz)
	$\pm$ 0.2 dB	(within any 36 MHz interval)
Isolation	>25 dB	

#### Monitoring Port

Impedance, connector	50 Ohm, SMA (f)
Return loss	>14 dB
Frequency response	= input level – 20 dB $\pm$ 1.0 dB

#### General Specifications

Housing	19" (483 mm), 1 RU (44 mm), 260 mm depth
Weight	~4 kg
Environmental conditions	ETS 300019 Part 1-3 Class 3.1

## Order Information

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DEV 2261/75	1:4	L-Band Splitter, 75 Ohm
DEV 2262/50	1:8	L-Band Splitter, 50 Ohm
DEV 2262/75	1:8	L-Band Splitter, 75 Ohm
DEV 2263/50	2 * 1:8	L-Band Splitter, 50 Ohm
DEV 2263/75	2 * 1:8	L-Band Splitter, 75 Ohm
DEV 2265/50	1:16	L-Band Splitter, 50 Ohm
DEV 2265/75	1:16	L-Band Splitter, 75 Ohm
DEV 2267/50	1:32	L-Band Splitter, 50 Ohm

## Contact

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Rev. 29-SEP-2011