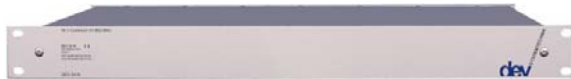


Passive L-Band Splitters



Products:

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

Features:

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

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.

DEV worked out a 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 8 or 16 outputs, which carry the same signal. All inputs are DC blocked and a monitoring port located at the rear side of the compact 1 RU chassis carries the input signal at a 20 dB reduced level.

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 2262/zz, DEV 2265/zz)
	2	(DEV 2263/zz)
Number of outputs	8	(DEV 2262/zz)
	2 * 8	(DEV 2263/zz)
	16	(DEV 2265/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 2262/50, DEV 2263/50)
	<15 dB \pm 2 dB	(DEV 2262/75, DEV 2263/75)
	<17 dB \pm 2 dB	(DEV 2265/50)
	<19 dB \pm 2 dB	(DEV 2265/75)
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

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

Contact

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