

DEV Essentials Bidirectional Switches



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

Products:

- DEV 1228** DEV Essentials 1:8 Bidirectional Switch; 10...2300 MHz; 75 Ohm, F (f)
DEV 1236 DEV Essentials 1:16 Bidirectional Switch; 10...2300 MHz; 75 Ohm, F (f)

Description

The DEV 1228 and the DEV 1236 are bidirectional Switches for the Frequency Range 10...2300 MHz.

Each Product is equipped with a single De-/Multiplexer with 8 Ports (DEV 1228) or with 16 Ports (DEV 1236).

Optionally, the DEV 1228 can be ordered with up to three additional De-/Multiplexers.

The DEV 1236 can be ordered with one additional De-/Multiplexer.

Compared with DEV Standard Products, the DEV Essentials 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 10...2300 MHz
- ▀ Compact 1 RU Chassis with up to four De-/Multiplexers with 8 Ports or with up to two De-/Multiplexers with 16 Ports
- ▀ High Isolation
- ▀ Good Flatness
- ▀ Low Ripple
- ▀ SNMP Support
- ▀ DEV Web Interface
- ▀ Data Backup Feature

Technical Data

DEV 1228 **DEV Essentials 1:8 Bidirectional Switch; 10...2300 MHz; 75 Ohm, F (f)**
DEV 1236 **DEV Essentials 1:16 Bidirectional Switch; 10...2300 MHz; 75 Ohm, F (f)**

Capacity

Number of De-/Multiplexers	DEV 1228: 1...4	DEV 1236: 1...2
Number of Ports per De-/Multiplexer	DEV 1228: 8	DEV 1236: 16

RF Specifications

Frequency Range	10...2300 MHz
Impedance, Connectors	75 Ohm, precision F (f)
Damage Level	138 dB μ V
Return Loss	>11 dB (>10 MHz) >14 dB (>270 MHz)

Insertion Loss (typically)	DEV 1228	DEV 1236	(@ Frequency)
	2.5 dB	4.0 dB	(@ 10 MHz)
	3.5 dB	5.0 dB	(@ 500 MHz)
	4.0 dB	5.5 dB	(@ 900 MHz)
	4.5 dB	6.0 dB	(@ 1300 MHz)
	5.5 dB	7.5 dB	(@ 2000 MHz)
	6.5 dB	8.5 dB	(@ 2300 MHz)

Flatness	\pm 2.0 dB (250...2300 MHz) \pm 0.2 dB (in any 36 MHz Interval)
Isolation	>45 dB
Ports DC blocked	Yes

Remote Communication

Interface (Connector)	Ethernet (RJ-45)
Remote Control & Surveillance (Interface)	<ul style="list-style-type: none"> • via Web Interface (Ethernet) • via SNMP (Ethernet)

External Power Supply

Primary Voltage	100...240 V AC
Power Consumption	typ. <10 VA

General Specifications

Size	19" (483 mm) Width, 1 RU (44 mm) Height, ~210 mm Depth
Weight	~2.7 kg + 0.3 kg Power Supply
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E

Order Information

Products and Options

DEV 1228	DEV Essentials 1:8 Bidirectional Switch; 10...2300 MHz; 75 Ohm, F (f)
Option 35	Additional De-/Multiplexer 1:8; 10...2300 MHz; 75 Ohm, F (f)
Option 79	Additional Web License
DEV 1236	DEV Essentials 1:16 Bidirectional Switch; 10...2300 MHz; 75 Ohm, F (f)
Option 36	Additional De-/Multiplexer 1:16; 10...2300 MHz; 75 Ohm, F (f)
Option 79	Additional Web License

Contact

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Technical specifications are subject to change