

Active L-Band Combiners



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

Products:

DEV 2208/50	8:1 Active Combiner; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 2208/50-75	8:1 Active Combiner; 950...2150 MHz; 50 Ohm, SMA (f) - 75 Ohm, F (f)
DEV 2208/75	8:1 Active Combiner; 950...2150 MHz; 75 Ohm, F (f)
DEV 2208/75-50	8:1 Active Combiner; 950...2150 MHz; 75 Ohm, F (f) - 50 Ohm, SMA (f)
DEV 2216/50	16:1 Active Combiner; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 2216/50-75	16:1 Active Combiner; 950...2150 MHz; 50 Ohm, SMA (f) - 75 Ohm, F (f)
DEV 2216/75	16:1 Active Combiner; 950...2150 MHz; 75 Ohm, F (f)
DEV 2216/75-50	16:1 Active Combiner; 950...2150 MHz; 75 Ohm, F (f) - 50 Ohm, SMA (f)

Features:

- ▀ Active L-Band Combiners in a 19" 1 RU Chassis
- ▀ Impedance 50 Ohm or 75 Ohm or mixed Impedances
- ▀ Monitoring Port at the Front Panel
- ▀ DC blocked Input Ports
- ▀ Redundant Power Supplies

Technical Data

DEV 2208/zz 8:1 Active Combiner; 950...2150 MHz

DEV 2216/zz 16:1 Active Combiner; 950...2150 MHz

■ "zz" indicates the impedance and can be "50", "50-75", "75", or "75-50".

Capacity

Number of Input Ports	DEV 2208/zz: 8	DEV 2216/zz: 16
Number of Output Ports	DEV 2208/zz: 1	DEV 2216/zz: 1

RF Specifications

Frequency Range	950...2150 MHz
Impedance (zz), Connectors	for all 50 Ohm Ports: 50 Ohm, SMA (f) for all 75 Ohm Ports: 75 Ohm, precision F (f)
Damage Level	+10 dBm
Nominal Input Level	-10 dBm
Return Loss	>14 dB
Insertion Loss	0±3 dB
Flatness	<2.0±1.0 dB (950...2150 MHz) <0.3±0.3 dB (in any 36 MHz Interval)
Isolation between Input Ports	>20 dB
Intermodulation Distortion	<-40 dBc (two Tones @ -10 dBm)
Group Delay Distortion	<5 ns

Monitoring Port

Impedance, Connector	50 Ohm, SMA (f)
Return Loss	>14 dB
Frequency Response	= Output Level - 20 dB ±1.0 dB

Redundant Power Supply

Supply Voltage	100...240 V AC supplied by two different Lines
Power Consumption	<100 VA

General Specifications

Size	19" (483 mm) Width, 1 RU (44 mm) Height, ~260 mm Depth
Weight	~5 kg
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1

Order Information

Products

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DEV 2208/50-75	8:1 Active Combiner; 950...2150 MHz; 50 Ohm, SMA (f) - 75 Ohm, F (f)
DEV 2208/75	8:1 Active Combiner; 950...2150 MHz; 75 Ohm, F (f)
DEV 2208/75-50	8:1 Active Combiner; 950...2150 MHz; 75 Ohm, F (f) - 50 Ohm, SMA (f)
DEV 2216/50	16:1 Active Combiner; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 2216/50-75	16:1 Active Combiner; 950...2150 MHz; 50 Ohm, SMA (f) - 75 Ohm, F (f)
DEV 2216/75	16:1 Active Combiner; 950...2150 MHz; 75 Ohm, F (f)
DEV 2216/75-50	16:1 Active Combiner; 950...2150 MHz; 75 Ohm, F (f) - 50 Ohm, SMA (f)

Contact

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Technical specifications are subject to change