

Passive CATV-Band Combiners/Splitters



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

Products:

DEV 2404	4:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2405	1:4	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2408	8:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2409	1:8	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2416	16:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2417	1:16	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2424	24:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2428	2*8:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2432	32:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2441	16*1:2	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2442	8*1:4	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2443	4*1:8	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2444	2*1:16	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2461	16*2:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2462	8*4:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2463	4*8:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2465	6*4:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)

Features:

- ▀ Passive Combiners and Splitters for CATV-Band Applications
- ▀ Impedance 75 Ohm
- ▀ Monitoring Port for selected Combiners and Splitters

Technical Data

	DEV 2404	DEV 2405	DEV 2408	DEV 2409	DEV 2416	DEV 2417	DEV 2424	DEV 2428	DEV 2432	DEV 2441	DEV 2442	DEV 2443	DEV 2444	DEV 2461	DEV 2462	DEV 2463	DEV 2465	
Capacity																		
Combiner / Splitter	C	S	C	S	C	S	C	C	C	S	S	S	S	C	C	C	C	
Number of Input Ports	4	1	8	1	16	1	24	2*8	32	16*1	8*1	4*1	2*1	16*2	8*4	4*8	6*4	
Number of Output Ports	1	4	1	8	1	16	1	2*1	1	16*2	8*4	4*8	2*16	16*1	8*1	4*1	6*1	
RF Specifications																		
Frequency Range [MHz]	10...1006																	
Impedance, Connectors	75 Ohm, precision F (f)																	
Damage Level [dB μ V]	+140																	
Return Loss Input(s): (10...862 MHz) [dB]	>14	>15	>14	>15	>12	>16 typ. 18	>15	>14	>14	>16	>14	>11	>16	>14	>15	>11	>16	
(862...1006 MHz) [dB]	>14	>15	>14	>15	>12	>16 typ. 18	>15	>14	>14	>16	>14	>11	>16	>14	>15	>11	>16	
Return Loss Output(s): (10...862 MHz) [dB]	>14	>15	>14	>15	>12	>16 typ. 18	>15	>14	>14	>16	>14	>11	>16	>14	>15	>11	>16	
(862...1006 MHz) [dB]	>14	>15	>14	>15	>12	>16 typ. 18	>15	>14	>14	>16	>14	>11	>16	>14	>15	>11	>16	
Insertion Loss [dB]	8 \pm 3	12 \pm 3	16 \pm 3	19 \pm 3	12 \pm 3	19 \pm 3	4 \pm 3	7 \pm 3	11 \pm 3	15 \pm 3	4 \pm 3	7 \pm 3	11 \pm 3	7 \pm 3	11 \pm 3	7 \pm 3	7 \pm 3	
Flatness (10...1006 MHz) [dB]	\pm 1	\pm 2	\pm 2	\pm 2	\pm 2	\pm 2	\pm 2.5	\pm 2.5	\pm 2.5	\pm 1	\pm 1	\pm 1.5	\pm 1.5	\pm 1	\pm 1	\pm 1.5	\pm 1	
Flatness (in any 8 MHz Interval) [dB]	\pm 0.1																	
Isolation between equal Ports [dB]	>20	>20	>20	>20	>20	>20	>24	>24	>24	>20	>20	>20	>20	>24	>24	>20	>24	
Monitoring Port																		
Insertion Loss [dB]	20 (of Input/Output Signal)									(not available)								
Return Loss [dB]	>16 typ. 18									(not available)								
General Specifications																		
Size	19" (483 mm) Width, 1 RU (44 mm) Height																	
Depth [mm]	50	280	210	280	70													
Weight [kg]	~2	~5	~4	~5	~2													
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1																	

Order Information

Passive Combiner Products

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DEV 2416	16:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2424	24:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2428	2*8:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2432	32:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2461	16*2:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2462	8*4:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2463	4*8:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)
DEV 2465	6*4:1	Passive Combiner;	10...1006 MHz; 75 Ohm, F (f)

Passive Splitter Products

DEV 2405	1:4	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2409	1:8	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2417	1:16	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2441	16*1:2	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2442	8*1:4	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2443	4*1:8	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)
DEV 2444	2*1:16	Passive Splitter;	10...1006 MHz; 75 Ohm, F (f)

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Technical specifications are subject to change