

Much More Than Technology

Transmission Line Devices

SITE SOLUTIONS





Rosenberger Site Solutions – Much More Than Technology

The Rosenberger Site Solutions Group designs, manufactures and provides solutions for the wireless infrastructure market. Our products and systems offer innovative and leading-edge designs with focus on high performance and quality. Having an efficient network implementation in mind, we focus on total site kitting, logistics and delivery time leading to reduced cost of ownership. Globally present, the Rosenberger Site Solutions Group offers extensive local support making Rosenberger Site Solutions a partner instead of just a supplier.

Home of Innovation	4
Rosenberger Worldwide	6
Filter Combiners	10
TMA's	13
Bias-Tees	13
Index	14





Home of Innovation

A global network of Rosenberger research & development and production centers provides innovation, optimized cost structure and outstanding local customer service.



The Rosenberg headquarters located in Fridolfing in the southeast part of Bavaria, Germany

Rosenberger Worldwide

Rosenberger has more than 11,300 employees at the headquarters, manufacturing plants and sales offices in Europe, Asia as well as in North and South America, who are engaged in development, manufacture and sales of the products.

Rosenberger is always near you with its capable partners in the most important industrial countries when you need competent advice and trouble-free delivery on location.

In many countries, Rosenberger subsidiaries are active in the manufacture of connectors and cable assemblies. This facilitates flexibility on location and provides a national element that can help in reducing tax and customs charges.

With the establishment of a European assembly and logistics center in eastern Hungary together with the complete manufacturing plants in China and India, Rosenberger has, on the one hand, established a sustainable competitive advantage by international comparisons, and on the other hand, makes a useful contribution to the industrial development of emerging economies.



Rosenberger Global Network

Company Headquarters

- Fridolfing, Germany

Europe

- Austria: Timelkam
- Denmark: Lyngø
- Germany: Augsburg, Laufen, Neuenbürg, Radeberg
- Hungary: Jászárokszállás, Jászberény, Nyírbátor, Taksony
- Italy: Vimercate
- Spain: Madrid
- Sweden: Kista, Vallentuna
- UK: Bradford

North America

- Mexico: Apodaca
- USA: Akron, Pennsauken, Lake Charles

South America

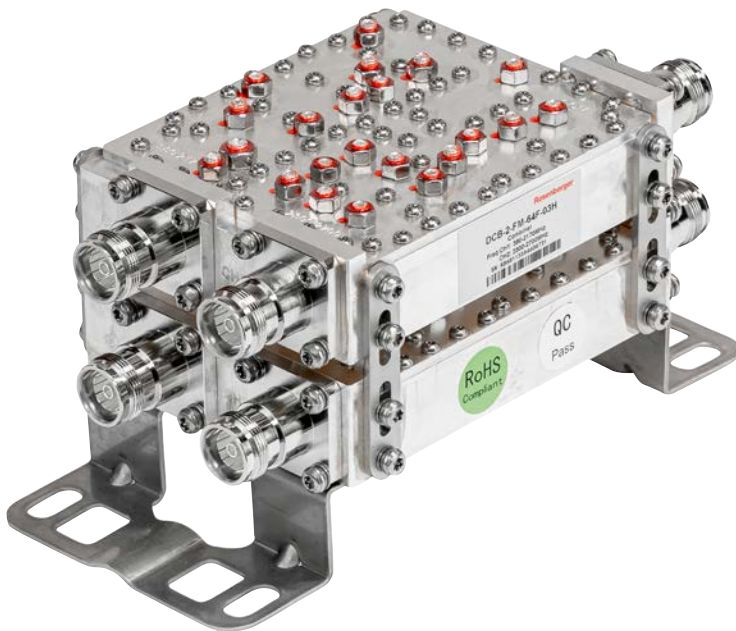
- Brazil: Cacapava - São Paulo
- Chile: Santiago



Asia

- China: Beijing, Dianshan Hu, Dongguan, Shanghai
- India: Manesar, Goa, Pune
- Japan: Tokyo
- Korea: Suwon-City





Filter Combiners

Rosenberger frequency combiners are deployed in site-sharing or co-siting applications. Suitable for both indoor and outdoor installations, these low-loss combiners are available as single units or for cross-pole antennas as double units. DC blocks can be added as an option.

Product Features

- Low PIM performance
- Wall or pole mount
- High isolation, low VSWR and insertion loss



Dualband Combiners

Rosenberger No.	Frequency 1 [MHz]	Frequency 2 [MHz]	PIM		Interface
CB-2-HL014N-64F-01	380 - 960	1427 - 3800	-160 dBc	Single unit	4.3-10
CB-2-FM-64F-03H	380 - 2170	2300 - 2700		Single unit, Indoor only	4.3-10
CB-2-KHN-64F-01	380 - 2700	3500 - 3800		Single unit	4.3-10
CB-2-QY-64F-01	703 - 788	791 - 862		Single unit	4.3-10
CB-2-YZ-64F-01	694 - 862	880 - 960		Single unit	4.3-10
CB-2-LH-64F-02-T3	694 - 960	1710 - 2700		Single unit	4.3-10
CB-2-FM-64F-11	694 - 2170	2300 - 2700		Single unit	4.3-10
CB-2-LCG-64F-02	790 - 862	880 - 960		Single unit	4.3-10
CB-2-014DJ-64F-01	1427 - 1880	1920 - 2690		Single unit	4.3-10
CB-2-014WM-64F-01	1427 - 2200	2300 - 2690		Single unit	4.3-10
CB-2-DU-64F-01	1710 - 1880	1920 - 2170		Single unit	4.3-10
DCB-2-HL014N-64F-01	380 - 960	1427 - 3800		Double unit	4.3-10
DCB-2-FM-64F-03H	380 - 2170	2300 - 2700		Double unit, Indoor only	4.3-10
DCB-2-KHN-64F-01	380 - 2700	3500 - 3800		Double unit	4.3-10
DCB-2-QY-64F-01	703 - 788	791 - 862		Double unit	4.3-10
DCB-2-YZ-64F-01	694 - 862	880 - 960		Double unit	4.3-10
DCB-2-LH-64F-02-T3	694 - 960	1710 - 2700		Double unit	4.3-10
DCB-2-FM-64F-11	694 - 2170	2300 - 2700		Double unit	4.3-10
DCB-2-LCG-64F-02	790 - 862	880 - 960		Double unit	4.3-10
DCB-2-LCG-64F-02	790 - 862	880 - 960		Double unit	4.3-10
DCB-2-014DJ-64F-01	1427 - 1880	1920 - 2690		Double unit	4.3-10
DCB-2-014WM-64F-01	1427 - 2200	2300 - 2690		Double unit	4.3-10
DCB-2-DU-64F-01	1710 - 1880	1920 - 2170		Double unit	4.3-10

Other Frequency Configurations or AUTO-Sense functionality are available on request



Tripleband Combiners

Rosenberger No.	Frequency 1 [MHz]	Frequency 2 [MHz]	Frequency 3 [MHz]	PIM		Interface
CB-3-HL014DJ-64F-01	380 - 960	1427 - 1880	1920 - 2690	-160 dBc	Single unit	4.3-10
CB-3-YZ014N-64F-01	694 - 862	880 - 960	1350 - 3800			
CB-3-HLDW-64F-01	380 - 960	1710 - 1880	1920 - 2170			
CB-3-014DWM-64F-01	1427 - 1880	1920 - 2360	2496 - 2960			
DCB-3-HL014DJ-64F-01	380 - 960	1427 - 1880	1920 - 2690		Double unit	
DCB-3-YZ01403-64F-01	694 - 862	880 - 960	1350 - 3800			
DCB-3-HLDW-64F-01	380 - 960	1710 - 1880	1920 - 2170			
DCB-3-014DWM-64F-01	1427 - 1880	1920 - 2360	2496 - 2960			

Other Frequency Configurations or AUTO-Sense functionality are available on request





Quadband Combiners

Rosenberger No.	Frequency 1 [MHz]	Frequency 2 [MHz]	Frequency 3 [MHz]	Frequency 4 [MHz]	PIM		Interface
CB-4-HL014DWM-64F-01	380 - 960	1427 - 1880	1920 - 2200	2300 - 2960	-160 dBc	Single unit	4.3-10
CB-4-GDWE-64F-01	698 - 960	1710 - 1880	1920 - 2170	2270 - 2700			
CB-4-YZ014DJ-64F-01	690 - 862	880 - 960	1427 - 1880	1920 - 2960			
DCB-4-HL014DWM-64F-01	380 - 960	1427 - 1880	1920 - 2200	2300 - 2960		Double unit	
DCB-4-GDWE-64F-01	698 - 960	1710 - 1880	1920 - 2170	2270 - 2700			
DCB-4-YZ014DJ-64F-01	690 - 862	880 - 960	1427 - 1880	1920 - 2960			

Other Frequency Configurations or AUTO-Sense functionality are available on request

* Letter	* Frequency Band
T	380 - 395 MHz
LT	698 - 787 MHz
LL	698 - 806 MHz
Y	698 - 862 MHz
L	790 - 960 MHz
F	806 - 2170 MHz
C	824 - 894 MHz
G	698 - 960 MHz
Z	880 - 960 MHz
014	1452 - 1496 MHz
D	1710 - 1880 MHz
A	1710 - 1755 MHz 2110 - 2155 MHz
P	1850 - 1990 MHz
W	1920 - 2170 MHz
H	1710 - 2700 MHz
J	1920 - 2700 MHz
M	2300 - 2700 MHz
N	3300 - 3800 MHz



DC-Stop

Rosenberger No.	Frequency range [MHz]	PIM	Power Handling	Interface
DB-8F-64-01	300 - 2700 MHz	Typ. -160 dBc	200 W	4.3-10 m - 4.3-10 f

TMA



Rosenberger No.		Downlink (TX) [MHz]	Uplink (RX) [MHz]	AISG		PIM	Power Handling	Interface					
SLTMAD01-900A	2xANT 2xBTS	925 - 960	880 - 915										
SLTMAD01-1800A	2xANT 2xBTS	1805 - 1880	1710 - 1785										
SLTMAD01-800/900A	2xANT 2xBTS	791 - 821 925 - 960	832 - 862 880 - 915										
SLTMAD01-1800/2100A	2xANT 2xBTS	1427 - 1496 1805 - 1880 2110 - 2170	1710 - 1785 1920 - 1980										
SLTMAD01-1800/2600A	2xANT 2xBTS	1805 - 1880 2620 - 2690	1710 - 1785 2500 - 2570										
SLTMAD02-1800/2600A	4xANT (2x1800, 2x2600) 2xBTS	1805 - 1880 2620 - 2690	1710 - 1785 2500 - 2570						Yes	Double unit	-160dBc	200 W	4.3-10
SLTMAD01-700/800/900A	2xANT 2xBTS	758 - 788 791 - 821 925 - 960	703 - 733 832 - 862 880 - 915										
SLTMAD01-1800/2100/2600A	2xANT 2xBTS	1805 - 1880 2110 - 2170 2620 - 2690	1710 - 1785 1920 - 1980 2500 - 2570										
SLTMAD02-1800/2100/2600A	4xANT (2x1800/2100, 2x2600) 2xBTS	1805 - 1880 2110 - 2170 2620 - 2690	1710 - 1785 1920 - 1980 2500 - 2570										

Other Configurations are available on request

Bias-Tees



Rosenberger No.	Antenna/BTS Port	Feeder Port	Port DC/AISG	PIM	Power Handling
SBT-8F-64-01	4.3-10 male	4.3-10 female	female	Typ. -160 dBc	200W
SBT-8F-64-04	4.3-10 female	4.3-10 male	male		

Rosenberger No.

CB-2-014DJ-64F-01 _____	10	SLTMAD02-1800/2100/2600A _____	13
CB-2-014WM-64F-01 _____	10	SLTMAD02-1800/2600A _____	13
CB-2-DU-64F-01 _____	10		
CB-2-FM-64F-03H _____	10		
CB-2-FM-64F-11 _____	10		
CB-2-HL014N-64F-01 _____	10		
CB-2-KHN-64F-01 _____	10		
CB-2-LCG-64F-02 _____	10		
CB-2-LH-64F-02-T3 _____	10		
CB-2-QY-64F-01 _____	10		
CB-2-YZ-64F-01 _____	10		
CB-3-014DWM-64F-01 _____	11		
CB-3-HL014DJ-64F-01 _____	11		
CB-3-HLDW-64F-01 _____	11		
CB-3-YZ014N-64F-01 _____	11		
CB-4-GDWE-64F-01 _____	12		
CB-4-HL014DWM-64F-01 _____	12		
CB-4-YZ014DJ-64F-01 _____	12		
DB-8F-64-01 _____	12		
DCB-2-014DJ-64F-01 _____	10		
DCB-2-014WM-64F-01 _____	10		
DCB-2-DU-64F-01 _____	10		
DCB-2-FM-64F-03H _____	10		
DCB-2-FM-64F-11 _____	10		
DCB-2-HL014N-64F-01 _____	10		
DCB-2-KHN-64F-01 _____	10		
DCB-2-LCG-64F-02 _____	10		
DCB-2-LCG-64F-02 _____	10		
DCB-2-LH-64F-02-T3 _____	10		
DCB-2-QY-64F-01 _____	10		
DCB-2-YZ-64F-01 _____	10		
DCB-3-014DWM-64F-01 _____	11		
DCB-3-HL014DJ-64F-01 _____	11		
DCB-3-HLDW-64F-01 _____	11		
DCB-3-YZ01403-64F-01 _____	11		
DCB-4-GDWE-64F-01 _____	12		
DCB-4-HL014DWM-64F-01 _____	12		
DCB-4-YZ014DJ-64F-01 _____	12		
SBT-8F-64-01 _____	13		
SBT-8F-64-04 _____	13		
SLTMAD01-1800/2100/2600A _____	13		
SLTMAD01-1800/2100A _____	13		
SLTMAD01-1800/2600A _____	13		
SLTMAD01-1800A _____	13		
SLTMAD01-700/800/900A _____	13		
SLTMAD01-800/900A _____	13		
SLTMAD01-900A _____	13		



Website

For more information refer to our website:
www.rosenberger.com/iso

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