



FRANKONIA

RF-WIDEBAND AMPLIFIERS

500 MHz – 40 GHz

*For the frequency-range from 10kHz to 6GHz please see our separate catalog





Frankonia Group

The FRANKONIA GROUP was founded in 1987 as a solution provider for EMC laboratories to meet the increasing demand for highly specialized testing environments for the electronic and automotive industry. With more than 30 years of experience to date, FRANKONIA maintains its leading position in EMC solutions worldwide. Without limitations in capabilities and resources, FRANKONIA develops future-oriented concepts for EMC laboratories, which guarantees an optimal use of resources as well as the best possible customized solutions.

- FRANKONIA demonstrates a global presence in cooperation, with a well-structured network of productions, representations and service units.
- FRANKONIA strives to be the preferred partner for customized and state-of-the-art solutions.
- FRANKONIA provides fundamental knowledge to operate as a complete solution provider.
- FRANKONIA implements innovative technologies to enhance the efficiency and improve the outcomes and quality along with customers' needs.



We are proud of our highly specialized team that is putting our customers' demands into practice. It is our philosophy to improve the products, to realize new ideas, and to complete our product range within our broad scope of business. The fact that FRANKONIA is able to offer complete solutions from the first sketch to the final handover makes FRANKONIA a unique and trustworthy partner worldwide.

Frankonia's authenticity

FRANKONIA stands for latest technologies, highest quality, innovative concepts and materials and reliable solutions. Due to its easy and efficient usability along with its time-saving configuration, Frankonia's Anechoic Chambers set new standards for innovative and complete EMC testing solutions and offer a real added value to our customers.

Frankonia solutions

FRANKONIA as a turnkey solution provider and manufacturer offers a complete range of anechoic chambers and RF-shielded enclosures, test equipment, instruments, software and accessories.



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- 1 FRANKONIA GmbH
- 2 Frankonia EMC Test-Systems GmbH
- 3 FRANKONIA – POLAND Sp. z o.o.
- 4 Jiashan FRANKONIA EMC Co., Ltd.



0,5 GHz – 18 GHz / 1 GHz – 20 GHz / 2 GHz – 18 GHz

500 MHz – 18 GHz

Part Number	WBA-0,5/18 - 10	WBA-0,5/18 - 20	WBA-0,5/18 - 50
Frequency range	500MHz-18GHz	500MHz-18GHz	500MHz-18GHz
P _{out}	10 W	10 W - 20 W	50 W
Gain (dB)	43	43	47
Operation Voltage	100-240	100-240	100-240

1 GHz – 20 GHz

Part Number	WBA-1/20 - 4	WBA-1/20 - 20
Frequency range	1GHz-20GHz	1GHz-20GHz
P _{out}	4 W	20 W
Gain (dB)	36	43
Operation Voltage	100-240	100-240

2 GHz – 18 GHz

Part Number	WBA-2/18 - 5	WBA-2/18 - 10
Frequency range	2GHz-18GHz	2GHz-18GHz
P _{out}	5 W	10 W
Gain (dB)	37	40
Operation Voltage	100-240	100-240



2 GHz – 20 GHz / 6 GHz – 10 (12) GHz

2 GHz – 20 GHz

Part Number	WBA-2/20 - 5	WBA-2/20 - 20
Frequency range	2GHz-20GHz	2GHz-20GHz
P _{out}	5 W	20 W
Gain (dB)	37	43
Operation Voltage	100-240	100-240

6 GHz – 10 (12) GHz

Part Number	WBA-6/12 - 20	WBA-6/10 - 50
Frequency range	6GHz-12GHz	6GHz-10GHz
P _{out}	20 W	50 W
Gain (dB)	43	47
Operation Voltage	100-240	100-240

Part Number	WBA-6/12 - 50	WBA-6/10 - 100
Frequency range	6GHz-12GHz	6GHz-10GHz
P _{out}	50 W	100 W
Gain (dB)	47	50
Operation Voltage	100-240	100-240



6 GHz – 18 GHz / 6 GHz – 26.5 GHz

6 GHz – 18 GHz

Part Number	WBA-6/18 - 10	WBA-6/18 - 20	WBA-6/18 - 40
Frequency range	6GHz-18GHz	6GHz-18GHz	6GHz-18GHz
P _{out}	10 W	20 W	40 W
Gain (dB)	40	43	46
Operation Voltage	100-240	100-240	100-240

Part Number	WBA-6/18 - 50	WBA-6/18 - 60	WBA-6/18 - 100
Frequency range	6GHz-18GHz	6GHz-18GHz	6GHz-18GHz
P _{out}	50 W	60 W	100 W
Gain (dB)	47	47	50
Operation Voltage	100-240	100-240	180-240

Part Number	WBA-6/18 - 150	WBA-6/18 - 200	WBA-6/18 - 300
Frequency range	6GHz-18GHz	6GHz-18GHz	6GHz-18GHz
P _{out}	150 W	200 W	300 W
Gain (dB)	52	53	55
Operation Voltage	180-240	180-260	180-260

6 GHz – 26.5 GHz

Part Number	WBA-6/26.5 - 20
Frequency range	6GHz-26.5GHz
P _{out}	20 W
Gain (dB)	43
Operation Voltage	100-240



18 GHz – 26.5 GHz / 18 GHz – 40 GHz

18 GHz – 26.5 GHz

Part Number	WBA-18/26.5 – 5	WBA-18/26.5 – 10	WBA-18/26.5 – 20
Frequency range	18GHz–26.5GHz	18GHz–26.5GHz	18GHz–26.5GHz
P _{out}	5 W	10 W	20 W
Gain (dB)	37	40	43
Operation Voltage	100–240	100–240	100–240

Part Number	WBA-18/26.5 – 25	WBA-18/26.5 – 40	WBA-18/26.5 – 80
Frequency range	18GHz–26.5GHz	18GHz–26.5GHz	18GHz–26.5GHz
P _{out}	25 W	40 W	80 W
Gain (dB)	44	46	49
Operation Voltage	100–240	100–240	100–240

18 GHz – 40 GHz

Part Number	WBA-18/40 – 10
Frequency range	18GHz–40GHz
P _{out}	8 W – 10 W
Gain (dB)	40
Operation Voltage	100–240



26.5 GHz – 40 GHz

26.5 GHz – 40 GHz

Part Number	WBA-26.5/40 – 5	WBA-26.5/40 – 10
Frequency range	26.5GHz-40GHz	26.5GHz-40GHz
Pout	5 W	10 W
Gain (dB)	37	40
Operation Voltage	100-240	100-240

Part Number	WBA-26.5/40 – 40	WBA-26.5/40 – 80
Frequency range	26.5GHz-40GHz	26.5GHz-40GHz
Pout	40 W	80 W
Gain (dB)	46	49
Operation Voltage	100-240	100-240





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