

BSA

500 kHz ... 1000 MHz

Solid State

Standard Models

Model	Frequency Range	Output Power P_N min W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H, D) 19"-System	Weight kg
BSA 5001-1	500 kHz ... 1000 MHz	1	30 / 32 $\pm$ 2	20 / 20	75	3 HU, 350 mm	11
BSA 5001-2	500 kHz ... 1000 MHz	2	33 / 35 $\pm$ 2	20 / 20	75	3 HU, 350 mm	11
BSA 5001-5	500 kHz ... 1000 MHz	5	37 / 39 $\pm$ 2	18 / 20	100	3 HU, 350 mm	11
BSA 5001-10	500 kHz ... 1000 MHz	10	40 / 42 $\pm$ 2	20 / 20	150	3 HU, 350 mm	12

Standard Specifications:

Input Power:	0 dBm (1 mW) max.
Overdrive Protection:	up to +10 dBm for no damage
Input Impedance:	50 Ohm nominal
Output Impedance:	50 Ohm nominal
Input VSWR:	<2:1 typ.
Load VSWR:	2:1 max. for P_N -0.5 dB; infinite for no damage
Spurious (at P_N):	-50 dBc typ.(excluding harmonics)
Class of Operation:	A-linear

General:

RF Input:	N-f; standard on rear panel
RF Output:	N-f; standard on rear panel
Mains Supply:	Line Power: <1000 W 100 ... 240 V AC $\pm$ 10% / 47 ... 63 Hz

BONN Elektronik GmbH – BSA 500 kHz ... 1000 MHz

Line Power: 1000 ... 3000 W	
200 ... 240 V AC $\pm 10\%$ / 47 ... 63 Hz	
Line Power: >3000 W	
3x 400 V AC $\pm 10\%$ / 47 ... 63 Hz	
Elapsed Time Meter:	via status display
Ambient Temperature:	0 ... +45 °C
Storage Temperature:	–20 ... +85 °C
Relative Humidity:	up to 95% (non-condensing)
Operating Altitude:	up to 2000 m above sea level
Vibration and Shock:	MIL-STD-810 F
Cooling:	forced air with integral blower, air intake from front air exhaust at rear

Options:

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|--------------------------------------|---------------------------|
| A) RF Monitor Outputs | F) Gain Adjustment |
| B) External Dual Directional Coupler | H) DC-Supply |
| C) IEEE-488.2 GPIB Remote Control | R) RS-232C Remote Control |
| D) Front Panel RF-Connectors | U) USB Remote Control |
| E) Power Indication (digital) | |

Specifications are subject to change without notice

