

STANDARD MODELS

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BSA 1001-30D	100 kHz ... 1000 MHz				180	3 HU, 550 mm	19
	100 kHz ... 100 MHz	30 / 35	44.8 / 47 ±2	20 / 20			
	100 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20			
BSA 1001-50/75D	100 kHz ... 1000 MHz				600	4 HU, 550 mm	26
	100 kHz ... 400 MHz	50 / 70	47 / 49 ±2	20 / 20			
	400 ... 1000 MHz	75 / 100	48.8 / 51 ±2	20 / 20			
BSA 1001-100D	100 kHz ... 1000 MHz				650	4 HU, 550 mm	33
	100 kHz ... 400 MHz	100 / 120	50 / 52 ±2	20 / 20			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
BSA 1001-150/125D	100 kHz ... 1000 MHz				900	4 HU, 550 mm	35
	100 kHz ... 250 MHz	150 / 170	51.8 / 54 ±2	20 / 20			
	250 ... 1000 MHz	125 / 140	51 / 53 ±2	20 / 20			
BSA 1001-250D	100 kHz ... 1000 MHz				1800	8 HU, 630 mm	81
	100 kHz ... 250 MHz	250 / 300	54 / 56 ±2	20 / 20			
	250 ... 1000 MHz	250 / 300	54 / 56 ±2	20 / 20			
BSA 1001-300/250D	100 kHz ... 1000 MHz				2000	8 HU, 630 mm	81
	100 kHz ... 400 MHz	300 / 350	54.8 / 57 ±2	20 / 20			
	400 ... 1000 MHz	250 / 300	54 / 56 ±2	20 / 20			
BSA 1001-500/300D	100 kHz ... 1000 MHz				2200	8 HU, 630 mm	81
	100 kHz ... 250 MHz	500 / 550	57 / 59 ±2	20 / 20			
	250 ... 400 MHz	300 / 350	54.8 / 57 ±2	20 / 20			
	400 ... 1000 MHz	300 / 350	54.8 / 57 ±2	20 / 20			

1 HU = 44.45mm

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. für 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

BSA 100 kHz ... 1000 MHz Solid State Amplifiers

RF Output:	N-f, standard on rear panel
Mains Supply:	Line Power: <1000 VA 100 ... 240 V AC \pm 10% / 47 ... 63 Hz 1000 ... 3000 VA 200 ... 240 V AC \pm 10% / 47 ... 63 Hz >3000 VA 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 | H) DC Supply |
| B) External Dual Directional Coupler | L) LAN Remote Control |
| 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) | W) Liquid Cooling |
| F) Gain Adjustment | |