

**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				360	2 HU, 430 mm	15
	100 kHz ... 100 MHz	30 / 35	44.8 / 47 ±2	25 / 20			
	100 ... 1000 MHz	30 / 35	44.8 / 47 ±2	25 / 20			
BSA 1001-50/75D	100 kHz ... 1000 MHz				600	3 HU, 630 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 1001-75D	100 kHz ... 1000 MHz				600	3 HU, 630 mm	26
	100 kHz ... 400 MHz	75 / 100	48.8 / 51 ±2	20 / 20			
	400 ... 1000 MHz	75 / 100	48.8 / 51 ±2	20 / 20			
BSA 1001-100D	100 kHz ... 1000 MHz				550	3 HU, 630 mm	25
	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	3 HU, 630 mm	35
	100 kHz ... 400 MHz	150 / 170	51.8 / 54 ±2	20 / 20			
	400 ... 1000 MHz	125 / 140	51 / 53 ±2	20 / 20			
BSA 1001-250D	100 kHz ... 1000 MHz				1800	5 HU, 630 mm	45
	100 kHz ... 400 MHz	250 / 300	54 / 56 ±2	20 / 20			
	400 ... 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			

For individual data sheets, please click on the above model name

1 HU = 44.45 mm

**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:	infinite for no damage (100% mismatch tolerant) $P_N$ -0.5 dB min. at VSWR 2:1
Spurious (at $P_N$ ):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A linear or A-B linear

## GENERAL

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<b>RF Input:</b>	N-f, standard on rear panel	
<b>RF Output:</b>	standard on rear panel	
	<1 kW	N-f
	<3 kW	7-16-f
	<5 kW	EIA 1 5/8
<b>Mains Supply:</b>	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
<b>Elapsed Time Meter:</b>	via status display	
<b>Ambient Temperature:</b>	0 ... +45 °C	
<b>Storage Temperature:</b>	-20 ... +85 °C	
<b>Relative Humidity:</b>	up to 95% (non-condensing)	
<b>Operating Altitude:</b>	up to 2000 m above sea level	
<b>Vibration and Shock:</b>	MIL-STD-810 G	
<b>Cooling:</b>	forced air with integral blower air intake from front, air exhaust at rear	

## OPTIONS

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A) RF Monitor Outputs	L) LAN Remote Control
B) External Dual Directional Coupler	R) RS-232C Remote Control
C) IEEE-488.2 GPIB Remote Control	S) Internal RF Switching Unit
D) Front Panel RF Connectors	U) USB Remote Control
E) RF Power Indication (digital)	W) Liquid Cooling
F) Gain Adjustment	X) External Control of other Amplifiers
H) DC Supply	