

## 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 0101-5	9 kHz ... 1000 MHz	5 / 8	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	12
BSA 0101-7.5	9 kHz ... 1000 MHz	7.5 / 10	38.8 / 41 ±2	20 / 20	100	3 HU, 350 mm	12
BSA 0101-25/30D	9 kHz ... 1000 MHz				200	3 HU, 550 mm	18
	9 kHz ... 250 MHz	25 / 30	44 / 46 ±2	20 / 20			
	200 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20			
BSA 0101-75/60D	9 kHz ... 1000 MHz				450	4 HU, 550 mm	28
	9 kHz ... 250 MHz	75 / 100	48.8 / 51 ±2	20 / 20			
	200 ... 1000 MHz	60 / 75	47.8 / 50 ±2	20 / 20			
BSA 0101-100D	9 kHz ... 1000 MHz				550	4 HU, 550 mm	34
	9 kHz ... 100 MHz	100 / 120	50 / 52 ±2	20 / 20			
	100 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
BSA 0101-150/120D	9 kHz ... 1000 MHz				900	5 HU, 630 mm	42
	9 kHz ... 250 MHz	150 / 180	51.8 / 54 ±2	20 / 18			
	200 ... 1000 MHz	120 / 130	50.8 / 53 ±2	20 / 20			
BSA 0101-250/120D	9 kHz ... 1000 MHz				1400	5 HU, 630 mm	42
	9 kHz ... 250 MHz	250 / 280	54 / 56 ±2	20 / 18			
	200 ... 1000 MHz	120 / 140	50.8 / 53 ±2	20 / 20			
BSA 0101-1000D	9 kHz ... 1000 MHz				9000	32 HU, 800 mm	300
	9 kHz ... 200 MHz	1000 / 1200	60 / 62 ±2	20 / 18			
	200 ... 500 MHz	1000 / 1200	60 / 62 ±2	20 / 20			
	500 ... 1000 MHz	1000 / 1200	60 / 62 ±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
RF Output:	N-f, standard on rear panel

# BSA 9 kHz ... 1000 MHz Solid State Amplifiers

<b>Mains Supply:</b>	<b>Line Power:</b>
	<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 F
<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                | 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                   |                           |