

## 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 0110-100	9 kHz ... 100 MHz	100 / 125	50 / 52 ±2	25 / 20	440	2 HU, 430 mm	13
BSA 0110-125	9 kHz ... 100 MHz	125 / 150	51 / 53 ±2	20 / 20	500	2 HU, 430 mm	14
BSA 0110-150	9 kHz ... 100 MHz	150 / 175	51.8 / 54 ±2	20 / 20	600	3 HU, 630 mm	17
BSA 0110-200	9 kHz ... 100 MHz	200 / 230	53 / 55 ±2	20 / 20	800	3 HU, 630 mm	27
BSA 0110-250	9 kHz ... 100 MHz	250 / 300	54 / 56 ±2	25 / 18	900	3 HU, 630 mm	28
BSA 0110-400	9 kHz ... 100 MHz	400 / 440	56 / 58 ±2	20 / 20	1600	4 HU, 630 mm	37
BSA 0110-500	9 kHz ... 100 MHz	500 / 600	57 / 59 ±2	20 / 20	2500	5 HU, 630 mm	56
BSA 0110-600	9 kHz ... 100 MHz	600 / 700	57.8 / 60 ±2	20 / 20	2500	5 HU, 630 mm	58
BSA 0110-1000	9 kHz ... 100 MHz	1000 / 1200	60 / 62 ±2	20 / 20	4000	10 HU, 630 mm	95
BSA 0110-1500	9 kHz ... 100 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20	10000	24 HU, 800 mm	290

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

RF Input:	N-f, standard on rear panel
RF Output:	standard on rear panel
	<1 kW N-f
	<3 kW 7-16-f
	<5 kW EIA 1 5/8
Mains Supply:	Line Power:
	<1000 VA 100 ... 240 V AC ±10% / 47 ... 63 Hz
	1000 ... 3000 VA 200 ... 240 V AC ±10% / 47 ... 63 Hz
	>3000 VA 3x 400 V AC ±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)

# BSA 9 kHz ... 100 MHz Solid State Amplifiers

**Operating Altitude:** up to 2000 m above sea level  
**Vibration and Shock:** MIL-STD-810 G  
**Cooling:** 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                         |   |