

## 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 1010-10	100 kHz ... 100 MHz	10 / 15	40 / 42 ±2	20 / 20	150	2 HU, 430 mm	12
BSA 1010-30	100 kHz ... 100 MHz	30 / 35	44.8 / 47 ±2	20 / 20	350	2 HU, 430 mm	13
BSA 1010-50	100 kHz ... 100 MHz	50 / 70	47 / 49 ±2	20 / 18	380	2 HU, 430 mm	13
BSA 1010-125	100 kHz ... 100 MHz	125 / 140	51 / 53 ±2	20 / 20	550	2 HU, 430 mm	13
BSA 1010-150	100 kHz ... 100 MHz	150 / 200	51.8 / 54 ±2	20 / 20	600	3 HU, 630 mm	17
BSA 1010-250	100 kHz ... 100 MHz	250 / 280	54 / 56 ±2	20 / 20	900	3 HU, 630 mm	29
BSA 1010-500	100 kHz ... 100 MHz	500 / 600	57 / 59 ±2	20 / 20	2800	5 HU, 630 mm	45
BSA 1010-600	100 kHz ... 100 MHz	600 / 750	57.8 / 60 ±2	20 / 20	3000	5 HU, 630 mm	45
BSA 1010-1000	100 kHz ... 100 MHz	1000 / 1700	60 / 62 ±2	20 / 20	5500	15 HU, 630 mm	140
BSA 1010-1200	100 kHz ... 100 MHz	1200 / 1300	60.8 / 63 ±2	20 / 20	6000	18 HU, 800 mm	175
BSA 1010-1500	100 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

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

Relative Humidity:	up to 95% (non-condensing)
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

---

- |                                      |   |
|--------------------------------------|---|
| 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                         |   |