

## 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 1001-500/300D	100 kHz ... 1000 MHz				2500	4 HU, 630 mm	46
	100 kHz ... 250 MHz	500 / 550	57 / 59 ±2	20 / 18			
	250 ... 400 MHz	300 / 350	54.8 / 57 ±2	20 / 20			
	400 ... 1000 MHz	300 / 350	54.8 / 57 ±2	20 / 20			

1 HU = 44.45 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 $P_N$ ):	-60 dBc min. (excluding harmonics)
Class of Operation:	A-linear

## GENERAL

RF Input:	N-f, standard on rear panel
RF Output:	N-f, standard on rear panel
Mains Supply:	200 ... 240 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)
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 Option W: Liquid cooling External heat exchanger required

## OPTIONS

A) RF Monitor Outputs	L) LAN Remote Control
B) External Dual Directional Coupler	R) RS-232C/RS-485 Remote Control

# BSA 100 kHz ... 1000 MHz Solid State Amplifiers

- C) IEEE-488.2 GPIB Remote Control
- D) Front Panel RF Connectors
- E) RF Power Indication (digital)
- F) Gain Adjustment
- H) DC Supply
- S) Internal RF Switching Unit
- U) USB Remote Control
- W) Liquid Cooling
- X) External Control of other Amplifiers
- (XL) Rack width 800 mm