

## 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 1001-250D	100 kHz ... 1000 MHz				2100	4 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			

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, 47 ... 63 Hz
Elapsed Time Meter:	via status display
Ambient Temperature:	0 ... +45 °C
Storage Temperature:	-25 ... 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
C) IEEE-488.2 GPIB Remote Control	S) Internal RF Switching Unit
D) Front Panel RF Connectors	U) USB Remote Control

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

E) RF Power Indication (digital)  
F) Gain Adjustment  
H) DC Supply

W) Liquid Cooling  
X) External Control of other Amplifiers  
(XL) Rack width 800 mm