

## 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 0110-12000	9 kHz ... 100 MHz	12000 / 13000	70.8 / 73 ±2	20 / 20	55000	2x 37 HU, 800 mm (XL)	1100

1 HU = 44.45 mm

## STANDARD SPECIFICATIONS

<b>Input Power:</b>	0 dBm (1 mW) max.
<b>Overdrive Protection:</b>	up to +10 dBm for no damage
<b>Input Impedance:</b>	50 Ohm nominal
<b>Output Impedance:</b>	50 Ohm nominal
<b>Input VSWR:</b>	<2:1 typ.
<b>Load VSWR:</b>	infinite for no damage (100% mismatch tolerant)
	$P_N$ -0.5 dB min. at VSWR 2:1
<b>Spurious (at <math>P_N</math>):</b>	-60 dBc min. (excluding harmonics)
<b>Class of Operation:</b>	A-linear

## GENERAL

<b>RF Input:</b>	N-f, standard on rear panel
<b>RF Output:</b>	7-16-f, standard on rear panel
<b>Mains Supply:</b>	3x 400 V AC ±10%, 47 ... 63 Hz
<b>Elapsed Time Meter:</b>	via status display
<b>Ambient Temperature:</b>	0 ... +45 °C
<b>Storage Temperature:</b>	-25 ... +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 G
<b>Cooling:</b>	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
E) RF Power Indication (digital)	W) Liquid Cooling
F) Gain Adjustment	X) External Control of other Amplifiers

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

H) DC Supply

(XL) Rack width 800 mm