

## 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 0040-75	4 kHz ... 400 MHz				600	4 HU, 550 mm	21
	4 ... 9 kHz	30 / 40	44.8 / 48 ±3	15 / 12			
	9 kHz ... 400 MHz	75 / 100	48.8 / 51 ±2	20 / 20			
BSA 0040-150	4 kHz ... 400 MHz				1000	4 HU, 550 mm	30
	4 ... 9 kHz	60 / 75	47.8 / 51 ±3	15 / 12			
	9 kHz ... 400 MHz	150 / 200	51.8 / 54 ±2	20 / 20			

1 HU = 44.45mm

## 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:	2:1 max. für $P_N$ -0.5 dB; infinite for no damage
Spurious (at $P_N$ ):	-50 dBc typ. (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:	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)
Operating Altitude:	up to 2000 m above sea level
Vibration and Shock:	MIL-STD-810 F
Cooling:	forced air with integral blower air intake from front, air exhaust at rear

## OPTIONS

A) RF Monitor Outputs	H) DC Supply
B) External Dual Directional Coupler	L) LAN Remote Control
C) IEEE-488.2 GPIB Remote Control	R) RS-232C Remote Control
D) Front Panel RF Connectors	U) USB Remote Control
E) Power Indication (digital)	W) Liquid Cooling

# BSA 4 kHz ... 400 MHz Solid State Amplifiers

F) Gain Adjustment