

## 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 1040-50	100 kHz ... 400 MHz	50 / 70	47 / 49 ±2	20 / 20	400	2 HU, 430 mm	13
BSA 1040-100	100 kHz ... 400 MHz	100 / 120	50 / 52 ±2	20 / 20	650	2 HU, 430 mm	13
BSA 1040-150	100 kHz ... 400 MHz	150 / 180	51.8 / 54 ±2	20 / 20	850	3 HU, 430 mm	17
BSA 1040-250/150	100 kHz ... 400 MHz				1200	3 HU, 630 mm	32
	100 kHz ... 100 MHz	250 / 300	54 / 56 ±2	20 / 20			
	100 ... 400 MHz	150 / 180	51.8 / 54 ±2	20 / 20			
BSA 1040-300	100 kHz ... 400 MHz	300 / 330	54.8 / 57 ±2	20 / 20	1700	5 HU, 630 mm	42
BSA 1040-500/400	100 kHz ... 400 MHz				2500	5 HU, 630 mm	41
	100 kHz ... 300 MHz	500 / 600	57 / 59 ±2	25 / 20			
	300 ... 400 MHz	400 / 450	56 / 58 ±2	25 / 20			
BSA 1040-600/350	100 kHz ... 400 MHz				2800	5 HU, 630 mm	45
	100 kHz ... 100 MHz	600 / 700	57.8 / 60 ±2	20 / 20			
	100 ... 250 MHz	500 / 600	57 / 59 ±2	20 / 20			
	250 ... 400 MHz	350 / 400	55.4 / 57 ±2	20 / 20			

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

# BSA 100 kHz ... 400 MHz Solid State Amplifiers

<b>Ambient Temperature:</b>	0 ... +45 °C
<b>Storage Temperature:</b>	-20 ... +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

## OPTIONS

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