

## 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 0140-5	9 kHz ... 400 MHz	5 / 8	37 / 39 ±2	20 / 20	100	2 HU, 430 mm	10
BSA 0140-10	9 kHz ... 400 MHz	10 / 15	40 / 42 ±2	20 / 20	150	2 HU, 430 mm	12
BSA 0140-20	9 kHz ... 400 MHz	20 / 25	43 / 45 ±2	20 / 20	180	2 HU, 430 mm	13
BSA 0140-40	9 kHz ... 400 MHz	40 / 50	46 / 48 ±2	20 / 20	350	2 HU, 430 mm	13
BSA 0140-75	9 kHz ... 400 MHz	75 / 100	48.8 / 51 ±2	20 / 20	550	2 HU, 430 mm	14
BSA 0140-100	9 kHz ... 400 MHz	100 / 120	50 / 52 ±2	20 / 20	600	2 HU, 430 mm	14
BSA 0140-150	9 kHz ... 400 MHz	150 / 200	51.8 / 54 ±2	20 / 20	850	3 HU, 630 mm	17
BSA 0140-200	9 kHz ... 400 MHz	200 / 250	53 / 55 ±2	20 / 20	1250	3 HU, 630 mm	32
BSA 0140-250	9 kHz ... 400 MHz	250 / 280	54 / 56 ±2	20 / 20	1500	3 HU, 630 mm	32
BSA 0140-400	9 kHz ... 400 MHz	400 / 450	56 / 58 ±2	20 / 20	3100	5 HU, 630 mm	59
BSA 0140-500/250	9 kHz ... 400 MHz				2500	5 HU, 630 mm	58
	9 kHz ... 250 MHz	500 / 600	57 / 59 ±2	20 / 20			
	250 ... 400 MHz	250 / 300	54 / 56 ±2	20 / 20			
BSA 0140-500D	9 kHz ... 400 MHz				2800	9 HU, 630 mm	85
	9 kHz ... 100 MHz	500 / 600	57 / 59 ±2	20 / 20			
	100 ... 400 MHz	500 / 600	57 / 59 ±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

# BSA 9 kHz ... 400 MHz Solid State Amplifiers

<b>Mains Supply:</b>	<b>Line Power:</b>
	<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
<b>Elapsed Time Meter:</b>	via status display
<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                         |   |