# **BSA** 100 kHz ... 250 MHz
# Solid State Amplifiers

BONN Elektronik
RF POWER IS OUR PASSION

## 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 1025-1000 | 100 kHz ... 250 MHz | 1000 / 1100 | 60 / 62 ±2 | 20 / 20 | 3100 | 5 HU, 630 mm | 65 |

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:** 3x 400 V AC ±10%, 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
B) External Dual Directional Coupler
C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
E) RF Power Indication (digital)
F) Gain Adjustment
L) LAN Remote Control
R) RS-232C/RS-485 Remote Control
S) Internal RF Switching Unit
U) USB Remote Control
W) Liquid Cooling
X) External Control of other Amplifiers

H) DC Supply

(XL) Rack width 800 mm