# **BSA** 150 kHz ... 3000 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 1503-10D | 150 kHz ... 3000 MHz | | | | 200 | 2 HU, 430 mm | 14 |
| | 150 kHz ... 1000 MHz | 10 / 12 | 40 / 42 ±2 | 20 / 20 | | | |
| | 1000 ... 3000 MHz | 10 / 13 | 40 / 43 ±3 | 15 / 20 | | | |

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)<br>$P_N$ -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:** | 100 ... 240 V AC, 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<br>air intake from front, air exhaust at rear<br>Option W: Liquid cooling<br>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
L) LAN Remote Control
R) RS-232C/RS-485 Remote Control
S) Internal RF Switching Unit
U) USB Remote Control

E) RF Power Indication (digital)
F) Gain Adjustment
H) DC Supply
W) Liquid Cooling
X) External Control of other Amplifiers
(XL) Rack width 800 mm