

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 0106-100D | 9 kHz ... 6000 MHz | | | | 1500 | 4 HU, 630 mm | 45 |
| | 9 kHz ... 400 MHz | 100 / 110 | 50 / 52 ±2 | 20 / 20 | | | |
| | 400 ... 1000 MHz | 100 / 110 | 50 / 52 ±2 | 20 / 20 | | | |
| | 1000 ... 6000 MHz | 100 / 110 | 50 / 52 ±2 | 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) |
| | 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: | 200 ... 240 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 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 | L) LAN Remote Control |
| B) External Dual Directional Coupler | R) RS-232C/RS-485 Remote Control |

BSA 9 kHz ... 6000 MHz Solid State Amplifiers

- C) IEEE-488.2 GPIB Remote Control
- D) Front Panel RF Connectors
- E) RF Power Indication (digital)
- F) Gain Adjustment
- H) DC Supply
- S) Internal RF Switching Unit
- U) USB Remote Control
- W) Liquid Cooling
- X) External Control of other Amplifiers
- (XL) Rack width 800 mm