

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 0125-5 | 9 kHz ... 250 MHz | 5 / 8 | 37 / 39 ±2 | 20 / 20 | 100 | 2 HU, 430 mm | 10 |
| BSA 0125-15 | 9 kHz ... 250 MHz | 15 / 25 | 41.8 / 44 ±2 | 20 / 20 | 175 | 2 HU, 430 mm | 10 |
| BSA 0125-25 | 9 kHz ... 250 MHz | 25 / 30 | 44 / 46 ±2 | 20 / 20 | 200 | 2 HU, 430 mm | 10 |
| BSA 0125-75 | 9 kHz ... 250 MHz | 75 / 100 | 48.8 / 51 ±2 | 25 / 20 | 350 | 2 HU, 430 mm | 13 |
| BSA 0125-125 | 9 kHz ... 250 MHz | 125 / 150 | 51 / 53 ±2 | 25 / 20 | 600 | 3 HU, 630 mm | 18 |
| BSA 0125-150 | 9 kHz ... 250 MHz | 150 / 200 | 51.8 / 54 ±2 | 20 / 20 | 650 | 3 HU, 630 mm | 27 |
| BSA 0125-200 | 9 kHz ... 250 MHz | 200 / 220 | 53 / 55 ±2 | 20 / 20 | 1150 | 3 HU, 630 mm | 30 |
| BSA 0125-250 | 9 kHz ... 250 MHz | 250 / 300 | 54 / 56 ±2 | 20 / 20 | 1300 | 3 HU, 630 mm | 31 |
| BSA 0125-300N | 9 kHz ... 250 MHz | 300 / 350 | 54 / 56 ±2 | 20 / 20 | 850 | 3 HU, 630 mm | 34 |
| BSA 0125-400 | 9 kHz ... 250 MHz | 400 / 500 | 56 / 58 ±2 | 20 / 20 | 2000 | 5 HU, 630 mm | 52 |
| BSA 0125-500 | 9 kHz ... 250 MHz | 500 / 600 | 57 / 59 ±2 | 20 / 20 | 2800 | 5 HU, 630 mm | 58 |
| BSA 0125-800 | 9 kHz ... 250 MHz | 800 / 900 | 59 / 61 ±2 | 20 / 20 | 5000 | 10 HU, 630 mm | 110 |
| BSA 0125-1000/800 | 9 kHz ... 250 MHz | | | | 6000 | 10 HU, 630 mm | 110 |
| | 9 kHz ... 200 MHz | 1000 / 1200 | 60 / 62 ±2 | 20 / 18 | | | |
| | 200 ... 250 MHz | 800 / 1000 | 59 / 61 ±2 | 20 / 20 | | | |
| BSA 0125-1000 | 9 kHz ... 250 MHz | 1000 / 1100 | 60 / 62 ±2 | 20 / 18 | 7000 | 10 HU, 630 mm | 110 |

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 |

BSA 9 kHz ... 250 MHz Solid State Amplifiers

| | | |
|-----------------------------|---|---|
| Mains Supply: | <5 kW | EIA 1 5/8 |
| | Line Power: | |
| | <1000 VA | 100 ... 240 V AC \pm 10% / 47 ... 63 Hz |
| | 1000 ... 3000 VA | 200 ... 240 V AC \pm 10% / 47 ... 63 Hz |
| | >3000 VA | 3x 400 V AC \pm 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 F | |
| Cooling: | forced air with integral blower air intake from front, air exhaust at rear | |

OPTIONS

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