

## STANDARD MODELS

| Model           | Frequency Range | Output Power<br>$P_N$ min / typ<br>W | Gain<br>min / typ<br>dB | Harmonics<br>2nd / 3rd<br>dBc | Line Power<br>VA | Dimensions<br>(H, D)<br>19"-System | Weight<br>kg |
|-----------------|-----------------|--------------------------------------|-------------------------|-------------------------------|------------------|------------------------------------|--------------|
| BLWA 0213-100   | 20 ... 130 MHz  | 100 / 120                            | 50 / 52 ±2              | 20 / 15                       | 450              | 3 HU, 630 mm                       | 20           |
| BLWA 0213-200   | 20 ... 130 MHz  | 200 / 250                            | 53 / 55 ±2              | 20 / 15                       | 800              | 3 HU, 630 mm                       | 30           |
| BLWA 0213-500   | 20 ... 130 MHz  | 500 / 600                            | 57 / 59 ±2              | 20 / 15                       | 1800             | 4 HU, 630 mm                       | 35           |
| BLWA 0213-1000  | 20 ... 130 MHz  | 1000 / 1200                          | 60 / 62 ±2              | 20 / 15                       | 5000             | 8 HU, 630 mm                       | 100          |
| BLWA 0213-1250  | 20 ... 130 MHz  | 1250 / 1400                          | 61 / 63 ±2              | 20 / 15                       | 7500             | 8 HU, 630 mm                       | 150          |
| BLWA 0213-1800  | 20 ... 130 MHz  | 1800 / 2000                          | 62.5 / 65 ±2            | 20 / 15                       | 12000            | 12 HU, 800 mm                      | 200          |
| BLWA 0213-2500  | 20 ... 130 MHz  | 2500 / 2700                          | 64 / 66 ±2              | 20 / 15                       | 12000            | 12 HU, 800 mm                      | 200          |
| BLWA 0213-3000  | 20 ... 130 MHz  | 3000 / 3300                          | 64.8 / 67 ±2            | 20 / 15                       | 20000            | 18 HU, 800 mm                      | 300          |
| BLWA 0213-4000  | 20 ... 130 MHz  | 4000 / 4500                          | 66 / 68 ±2              | 20 / 15                       | 23000            | 24 HU, 800 mm                      | 400          |
| BLWA 0213-5000  | 20 ... 130 MHz  | 5000 / 5500                          | 67 / 69 ±2              | 20 / 15                       | 30000            | 37 HU, 800 mm                      | 460          |
| BLWA 0213-7000  | 20 ... 130 MHz  | 7000 / 8000                          | 68.4 / 71 ±2            | 20 / 15                       | 35000            | 2x 32 HU, 800 mm                   | 590          |
| BLWA 0213-10000 | 20 ... 130 MHz  | 10000 / 11000                        | 70 / 72 ±2              | 20 / 12                       | 50000            | 2x 37 HU, 800 mm                   | 1000         |

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                      |
|                     | $P_N$ up to 1 kW      N-f                   |
|                     | $P_N$ >1 kW          7-16-f                 |
|                     | $P_N$ >2 kW          13-30-f or 1 5/8" EIA  |
| Mains Supply:       | Line Power:                                 |
|                     | <1000 VA          100 ... 240 V AC ±10%     |
|                     | 1000 ... 3000 VA      200 ... 240 V AC ±10% |
|                     | >3000 VA          3x 400 V AC ±10%          |
| Elapsed Time Meter: | via status display                          |

# BLWA 20 ... 130 MHz Solid State Amplifiers

|                             |   |
|-----------------------------|---|
| <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<br>air intake from front, air exhaust at rear |

## OPTIONS

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|                                      |   |
|--------------------------------------|---|
| A) RF-Sample Ports                   | I) 3x 208 V AC / 60 Hz                  |
| B) External Dual Directional Coupler | L) LAN Remote Control                   |
| C) IEEE-488.2 GPIB Remote Control    | S) Internal RF Switching Unit           |
| D) Front Panel RF Connectors         | R) RS-232C Remote Control               |
| E) RF Power Indication (digital)     | U) USB Remote Control                   |
| F) Gain Adjustment                   | W) Liquid Cooling                       |
| H) DC Supply                         | X) External Control of other Amplifiers |