

## 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
BLWA 0211-100	20 ... 110 MHz	100 / 120	50 / 52 ±2	20 / 15	450	4 HU, 550 mm	20
BLWA 0211-200	20 ... 110 MHz	200 / 250	53 / 55 ±2	20 / 15	800	4 HU, 550 mm	30
BLWA 0211-500	20 ... 110 MHz	500 / 600	57 / 59 ±2	20 / 15	1800	4 HU, 630 mm	35
BLWA 0211-1000	20 ... 110 MHz	1000 / 1200	60 / 62 ±2	20 / 15	4000	9 HU, 630 mm	80
BLWA 0211-1250	20 ... 110 MHz	1250 / 1400	61 / 63 ±2	20 / 15	5000	9 HU, 630 mm	100
BLWA 0211-1800	20 ... 110 MHz	1800 / 2000	62.5 / 65 ±2	20 / 15	7500	11 HU, 630 mm	135
BLWA 0211-2500	20 ... 110 MHz	2500 / 2700	64 / 66 ±2	20 / 15	12000	12 HU, 630 mm	200
BLWA 0211-3000	20 ... 110 MHz	3000 / 3300	64.8 / 67 ±2	20 / 15	20000	18 HU, 800 mm	300
BLWA 0211-4000	20 ... 110 MHz	4000 / 4500	66 / 68 ±2	20 / 15	23000	24 HU, 800 mm	400
BLWA 0211-5000	20 ... 110 MHz	5000 / 5500	67 / 69 ±2	20 / 15	30000	37 HU, 800 mm	460
BLWA 0211-10000	20 ... 110 MHz	10000 / 11000	70 / 72 ±2	20 / 12	60000	2x 37 HU, 800 mm	1000

1 HU = 44.45mm

## 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:	2:1 max. für $P_N$ -0.5 dB; infinite for no damage
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
Ambient Temperature:	0 ... +45 °C
Storage Temperature:	-20 ... +85 °C
Relative Humidity:	up to 95% (non-condensing)

# BLWA 20 ... 110 MHz Solid State Amplifiers

**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

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A) RF-Sample Ports	H) DC Supply
B) External Dual Directional Coupler	I) 3x 200 V AC / 60 Hz
C) IEEE-488.2 GPIB Remote Control	C) LAN Remote Control
D) Front Panel RF Connectors	R) RS-232C Remote Control
E) Power Indication (digital)	U) USB Remote Control
F) Gain Adjustment	W) Liquid Cooling