BLWA 20 ... 100 MHz
Solid State Amplifiers

BONN Elektronik
YOUR ULTIMATE RF POWER SOURCE

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 0210-100	20 ... 100 MHz	100 / 120	50 / 52 ±2	20 / 15	450	3 HU, 630 mm	20
BLWA 0210-200	20 ... 100 MHz	200 / 250	53 / 55 ±2	20 / 15	800	3 HU, 630 mm	30
BLWA 0210-500	20 ... 100 MHz	500 / 600	57 / 59 ±2	20 / 15	1800	4 HU, 630 mm	35
BLWA 0210-1000	20 ... 100 MHz	1000 / 1200	60 / 62 ±2	20 / 15	4000	9 HU, 630 mm	80
BLWA 0210-1250	20 ... 100 MHz	1250 / 1400	61 / 63 ±2	20 / 15	5000	9 HU, 630 mm	100
BLWA 0210-1800	20 ... 100 MHz	1800 / 2000	62.5 / 65 ±2	20 / 15	7500	11 HU, 630 mm	135
BLWA 0210-2500	20 ... 100 MHz	2500 / 2700	64 / 66 ±2	20 / 15	12000	12 HU, 800 mm	200
BLWA 0210-3000	20 ... 100 MHz	3000 / 3300	64.8 / 67 ±2	20 / 15	20000	18 HU, 800 mm	300
BLWA 0210-4000	20 ... 100 MHz	4000 / 4500	66 / 68 ±2	20 / 15	23000	24 HU, 800 mm	400
BLWA 0210-5000	20 ... 100 MHz	5000 / 5500	67 / 69 ±2	20 / 15	30000	37 HU, 800 mm	460
BLWA 0210-7000	20 ... 100 MHz	7000 / 8000	68.4 / 71 ±2	20 / 15	35000	2x 32 HU, 800 mm	590
BLWA 0210-10000	20 ... 100 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	

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

OPTIONS

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