BLWA 80 ... 6000 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 0860-10D	80 ... 6000 MHz				270	2 HU, 430 mm	15
	80 ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20			
	1000 ... 6000 MHz	10 / 12	40 / 42 ±2	15 / 20			
BLWA 0860-30D	80 ... 6000 MHz				500	3 HU, 430 mm	15
	80 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20			
	1000 ... 6000 MHz	30 / 35	44.8 / 47 ±2	15 / 20			
BLWA 0860-50/20D	80 ... 6000 MHz				700	3 HU, 430 mm	18
	80 ... 1000 MHz	50 / 60	47 / 49 ±2	20 / 20			
	1000 ... 6000 MHz	20 / 30	43 / 46 ±3	15 / 20			
BLWA 0860-150D	80 ... 6000 MHz				2100	6 HU, 630 mm	64
	80 ... 1000 MHz	150 / 180	51.8 / 54 ±2	20 / 20			
	1000 ... 6000 MHz	150 / 180	51.8 / 55 ±3	15 / 20			
BLWA 0860-200/100/50D	80 ... 6000 MHz				1100	4 HU, 630 mm	35
	80 ... 400 MHz	200 / 250	53 / 55 ±2	20 / 20			
	400 ... 2500 MHz	100 / 120	50 / 53 ±3	20 / 20			
	2500 ... 6000 MHz	50 / 55	47 / 50 ±3	20 / 20			
BLWA 0860-200/100D	80 ... 6000 MHz				1900	5 HU, 630 mm	58
	80 ... 1000 MHz	200 / 250	53 / 55 ±2	20 / 20			
	1000 ... 6000 MHz	100 / 120	50 / 53 ±3	15 / 20			
BLWA 0860-250/100D	80 ... 6000 MHz				2050	6 HU, 630 mm	62
	80 ... 1000 MHz	250 / 300	54 / 56 ±2	20 / 20			
	1000 ... 6000 MHz	100 / 120	50 / 53 ±3	15 / 20			

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