

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 0810-10	80 ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	150	2 HU, 430 mm	11
BLWA 0810-30	80 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20	200	2 HU, 430 mm	11
BLWA 0810-40	80 ... 1000 MHz	40 / 45	46 / 48 ±2	20 / 20	300	2 HU, 430 mm	13
BLWA 0810-50	80 ... 1000 MHz	50 / 60	47 / 49 ±2	20 / 20	400	3 HU, 430 mm	20
BLWA 0810-100	80 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	900	3 HU, 630 mm	26
BLWA 0810-125	80 ... 1000 MHz	125 / 140	51 / 53 ±2	25 / 25	950	3 HU, 630 mm	27
BLWA 0810-150	80 ... 1000 MHz	150 / 160	51.8 / 54 ±2	25 / 25	1000	3 HU, 630 mm	27
BLWA 0810-250/150	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	250 / 280 150 / 160	54 / 56 ±2 51.8 / 54 ±2	25 / 20 25 / 20	950	3 HU, 630 mm	27
BLWA 0810-250	80 ... 1000 MHz	250 / 300	54 / 56 ±2	25 / 20	2000	4 HU, 630 mm	38
BLWA 0810-400/250	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	400 / 440 250 / 300	56 / 58 ±2 54 / 56 ±2	25 / 20 25 / 25	2400	4 HU, 630 mm	39
BLWA 0810-400	80 ... 1000 MHz	400 / 450	56 / 58 ±2	20 / 20	3100	6 HU, 630 mm	73
BLWA 0810-500/200D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	500 / 600 200 / 220	57 / 59 ±2 53 / 55 ±2	20 / 15 20 / 20	3300	9 HU, 630 mm	85
BLWA 0810-500/350D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	500 / 600 350 / 400	57 / 59 ±2 55.4 / 58 ±2	20 / 15 20 / 20	3300	9 HU, 630 mm	95
BLWA 0810-500	80 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20	4000	6 HU, 630 mm	70
BLWA 0810-750	80 ... 1000 MHz	750 / 800	58.8 / 61 ±2	20 / 20	7000	18 HU, 800 mm	250
BLWA 0810-750/400	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	750 / 850 400 / 500	58.8 / 61 ±2 56 / 58 ±2	20 / 20 20 / 20	4000	6 HU, 630 mm	70
BLWA 0810-750/500	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	750 / 850 500 / 600	58.8 / 61 ±2 57 / 59 ±2	20 / 20 20 / 20	4000	6 HU, 630 mm	70

BLWA 80 ... 1000 MHz Solid State Amplifiers

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 0810-1000/400	80 ... 1000 MHz				4000	6 HU, 630 mm	73
	80 ... 200 MHz	1000 / 1100	60 / 62 ±2	18 / 20			
	200 ... 1000 MHz	400 / 500	56 / 58 ±2	20 / 20			
BLWA 0810-1000/500D	80 ... 1000 MHz				9000	21 HU, 800 mm	220
	80 ... 400 MHz	1000 / 1150	60 / 62 ±2	20 / 15			
	400 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20			
BLWA 0810-1000	80 ... 1000 MHz	1000 / 1200	60 / 62 ±2	20 / 20	8500	15 HU, 800 mm	180
BLWA 0810-1400/700	80 ... 1000 MHz				10500	15 HU, 800 mm	190
	80 ... 400 MHz	1400 / 1500	61.5 / 64 ±2	20 / 20			
	400 ... 1000 MHz	700 / 850	58.4 / 61 ±2	20 / 20			
BLWA 0810-1500/700D	80 ... 1000 MHz				11000	24 HU, 800 mm	300
	80 ... 400 MHz	1500 / 1700	61.8 / 64 ±2	20 / 15			
	400 ... 1000 MHz	700 / 850	58.4 / 61 ±2	20 / 20			
BLWA 0810-1500/900	80 ... 1000 MHz				10500	18 HU, 800 mm	190
	80 ... 400 MHz	1500 / 1600	61.8 / 64 ±2	20 / 20			
	400 ... 1000 MHz	900 / 950	59.5 / 62 ±2	20 / 20			
BLWA 0810-1500/1000D	80 ... 1000 MHz				11000	41 HU, 800 mm	400
	80 ... 400 MHz	1500 / 1700	61.8 / 64 ±2	20 / 15			
	400 ... 1000 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
BLWA 0810-1500/1200	80 ... 1000 MHz				17000	24 HU, 800 mm	315
	80 ... 400 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
	400 ... 1000 MHz	1200 / 1300	60 / 62 ±2	20 / 20			
BLWA 0810-1500D	80 ... 1000 MHz				11000	37 HU, 800 mm	450
	80 ... 400 MHz	1500 / 1700	61.8 / 64 ±2	20 / 15			
	400 ... 1000 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
BLWA 0810-1700/1350	80 ... 1000 MHz				20000	24 HU, 800 mm	300
	80 ... 400 MHz	1700 / 1850	62.3 / 65 ±2	20 / 20			
	400 ... 1000 MHz	1350 / 1500	61.3 / 64 ±2	20 / 20			
BLWA 0810-2000/1000/700	80 ... 1000 MHz				15000	24 HU, 800 mm	300
	80 ... 280 MHz	2000 / 2200	63 / 65 ±2	20 / 20			
	280 ... 480 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
	480 ... 1000 MHz	700 / 750	58.4 / 61 ±2	20 / 20			
BLWA 0810-2000/1000D	80 ... 1000 MHz				18000	2x 32 HU, 800 mm	550
	80 ... 400 MHz	2000 / 2200	63 / 65 ±2	20 / 15			
	400 ... 1000 MHz	1000 / 1150	60 / 62 ±2	20 / 20			

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 0810-2000/1500D	80 ... 1000 MHz				18000	2x 32 HU, 800 mm	600
	80 ... 400 MHz	2000 / 2200	63 / 65 ±2	20 / 15			
	400 ... 1000 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
BLWA 0810-2000/1500	80 ... 1000 MHz				17000	24 HU, 800 mm	310
	80 ... 400 MHz	2000 / 2200	63 / 65 ±2	20 / 20			
	400 ... 1000 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
BLWA 0810-2000	80 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20	32000	32 HU, 800 mm	380
BLWA 0810-3000/2000D	80 ... 1000 MHz				25000	2x 32 HU, 800 mm	700
	80 ... 400 MHz	3000 / 3500	64.8 / 67 ±2	20 / 20			
	400 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20			
BLWA 0810-5000/3000D	80 ... 1000 MHz				45000	3x 37 HU, 800 mm	1200
	80 ... 400 MHz	5000 / 5500	67 / 69 ±2	20 / 20			
	400 ... 1000 MHz	3000 / 3500	65 / 67 ±2	20 / 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

BLWA 80 ... 1000 MHz Solid State Amplifiers

air intake from front, air exhaust at rear

OPTIONS

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