

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 0818-10D	80 ... 18000 MHz				200	3 HU, 430 mm	21
	80 ... 2000 MHz	10 / 12	40 / 43 ±3	12 / 15			
	2000 ... 6000 MHz	10 / 12	40 / 43 ±3	15 / 15			
	6000 ... 18000 MHz	10 / 12	40 / 43 ±3	15 / 20			
BLWA 0818-30/20D	80 ... 18000 MHz				400	3 HU, 630 mm	27
	80 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20			
	1000 ... 6000 MHz	20 / 25	43 / 46 ±3	15 / 20			
	6000 ... 18000 MHz	20 / 25	43 / 46 ±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 | 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 |