

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
BLMA 1840-0.1	18 ... 40 GHz	0.1 / 0.12	20 / 23 ±3	20 / 20	50	2 HU, 430 mm	10
BLMA 1840-0.2	18 ... 40 GHz	0.2 / 0.22	23 / 26 ±3	20 / 20	50	2 HU, 430 mm	10
BLMA 1840-0.3	18 ... 40 GHz	0.3 / 0.35	25 / 28 ±3	20 / 20	70	2 HU, 430 mm	10
BLMA 1840-0.5	18 ... 40 GHz	0.5 / 0.6	27 / 30 ±3	20 / 20	70	2 HU, 430 mm	10
BLMA 1840-0.7	18 ... 40 GHz				70	2 HU, 430 mm	9
	18 ... 20 GHz	0.5 / 0.7	28 / 32 ±4	20 / 20			
	20 ... 40 GHz	0.7 / 0.8	28.5 / 33 ±4	20 / 20			
BLMA 1840-1	18 ... 40 GHz				100	2 HU, 430 mm	10
	18 ... 20 GHz	0.8 / 1	29 / 32 ±3	20 / 20			
	20 ... 40 GHz	1 / 1.1	30 / 33 ±3	20 / 20			
BLMA 1840-1D	18 ... 40 GHz				100	2 HU, 430 mm	10
	18 ... 26 GHz	1 / 1.2	30 / 33 ±3	20 / 20			
	26 ... 40 GHz	1 / 1.2	30 / 34 ±4	20 / 20			
BLMA 1840-2/1.5D	18 ... 40 GHz				150	2 HU, 430 mm	11
	18 ... 26.5 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
	26.5 ... 40 GHz	1.5 / 1.8	31.8 / 35 ±3	20 / 20			
BLMA 1840-2D	18 ... 40 GHz				150	2 HU, 430 mm	11
	18 ... 26.5 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
	26.5 ... 40 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
BLMA 1840-4D	18 ... 40 GHz				250	2 HU, 430 mm	12
	18 ... 26.5 GHz	4 / 4.4	36 / 39 ±3	20 / 20			
	26.5 ... 38 GHz	4 / 4.4	36 / 39 ±3	20 / 20			
	38 ... 40 GHz	2.8 / 4	36 / 39 ±3	20 / 20			
BLMA 1840-5D	18 ... 40 GHz				300	2 HU, 430 mm	12
	18 ... 26.5 GHz	5 / 5.5	37 / 40 ±3	20 / 20			
	26.5 ... 38 GHz	5 / 5.5	37 / 40 ±3	20 / 20			
	38 ... 40 GHz	3.5 / 5	37 / 40 ±3	20 / 20			
BLMA 1840-10D	18 ... 40 GHz				600	2 HU, 430 mm	13
	18 ... 26.5 GHz	10 / 11	40 / 43 ±3	20 / 20			
	26.5 ... 38 GHz	10 / 11	40 / 43 ±3	20 / 20			
	38 ... 40 GHz	6 / 10	40 / 43 ±3	20 / 20			

For individual data sheets, please click on the above model name

1 HU = 44.45 mm

## STANDARD SPECIFICATIONS

<b>Input Power:</b>	0 dBm (1 mW) max.
<b>Overdrive Protection:</b>	up to +10 dBm for no damage
<b>Input Impedance:</b>	50 Ohm nominal
<b>Output Impedance:</b>	50 Ohm nominal
<b>Input VSWR:</b>	<2:1 typ.
<b>Load VSWR:</b>	infinite for no damage (100% mismatch tolerant)
	$P_N$ -0.5 dB min. at VSWR 2:1
<b>Spurious (at <math>P_N</math>):</b>	-50 dBc typ. (excluding harmonics)
<b>Class of Operation:</b>	A-linear or AB-linear

## GENERAL

<b>RF Input:</b>	<12 GHz	N-f, standard on rear panel
	12 bis 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
<b>RF Output:</b>	<12 GHz	N-f, standard on rear panel
	12 to 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
<b>Mains Supply:</b>	Line Power:	
	Line Power	
	<800 VA	100 ... 240 V AC $\pm$ 10%
	800 ... 3000 VA	200 ... 240 V AC $\pm$ 10%
	>3000 VA	3x 400 V AC $\pm$ 10%
<b>Elapsed Time Meter:</b>	via status display	
<b>Ambient Temperature:</b>	0 ... +45 °C	
<b>Storage Temperature:</b>	-20 ... +85 °C	
<b>Relative Humidity:</b>	up to 95% (non-condensing)	
<b>Operating Altitude:</b>	up to 2000 m above sea level	
<b>Vibration and Shock:</b>	MIL-STD-810 G	
<b>Cooling:</b>	forced air with integral blower	
	air intake from front, air exhaust at rear	

## OPTIONS

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

\*) These options may reduce output power and/or gain