

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 0842-1	0.8 ... 4.2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	2 HU, 430 mm	10
BLMA 0842-3	0.8 ... 4.2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	80	2 HU, 430 mm	10
BLMA 0842-5	0.8 ... 4.2 GHz	5 / 6	37 / 39 ±2	15 / 20	100	2 HU, 430 mm	10
BLMA 0842-10	0.8 ... 4.2 GHz	10 / 13	40 / 42 ±2	20 / 20	150	2 HU, 430 mm	12
BLMA 0842-20	0.8 ... 4.2 GHz	20 / 25	43 / 45 ±2	15 / 20	300	2 HU, 430 mm	14
BLMA 0842-60	0.8 ... 4.2 GHz	60 / 80	47.8 / 50 ±2	15 / 20	700	3 HU, 430 mm	17
BLMA 0842-80	0.8 ... 4.2 GHz	80 / 100	49 / 51 ±2	20 / 20	450	3 HU, 430 mm	18
BLMA 0842-120	0.8 ... 4.2 GHz	120 / 150	50.8 / 53 ±2	20 / 20	900	3 HU, 630 mm	25
BLMA 0842-200	0.8 ... 4.2 GHz	200 / 250	53 / 55 ±2	20 / 20	1800	4 HU, 630 mm	38
BLMA 0842-250	0.8 ... 4.2 GHz	250 / 300	54 / 56 ±2	20 / 20	1800	4 HU, 630 mm	39
BLMA 0842-350	0.8 ... 4.2 GHz	350 / 450	55.4 / 58 ±2	18 / 20	4500	8 HU, 630 mm	97
BLMA 0842-400	0.8 ... 4.2 GHz	400 / 500	56 / 58 ±2	18 / 20	4500	8 HU, 630 mm	97
BLMA 0842-500	0.8 ... 4.2 GHz	500 / 600	57 / 60 ±3	18 / 20	6000	10 HU, 630 mm	128

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 AB-linear

GENERAL

RF Input:	<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
RF Output:	<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
Mains Supply:	Line Power:	
	Line Power	

BLMA 0.8 ... 4.2 GHz Solid State Amplifiers

	<800 VA	100 ... 240 V AC ±10%
	800 ... 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 *)	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