

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 0840-30/20D	0.8 ... 4 GHz				200	3 HU, 430 mm	13
	0.8 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	20 / 35	43 / 45 ±2	20 / 20			
BLMA 0840-30/20	0.8 ... 4 GHz				250	3 HU, 430 mm	15
	0.8 ... 2 GHz	30 / 35	44.8 / 47 ±2	15 / 20			
	2 ... 4 GHz	20 / 35	43 / 45 ±2	15 / 20			
BLMA 0840-30D	0.8 ... 4 GHz				350	3 HU, 630 mm	23
	0.8 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
BLMA 0840-50/35D	0.8 ... 4 GHz				500	3 HU, 630 mm	23
	0.8 ... 2 GHz	50 / 60	47 / 49 ±2	20 / 20			
	2 ... 4 GHz	35 / 40	45.4 / 47 ±2	20 / 20			
BLMA 0840-50/60D	0.8 ... 4 GHz				600	3 HU, 630 mm	26
	0.8 ... 2 GHz	50 / 60	47 / 49 ±2	20 / 20			
	2 ... 4 GHz	60 / 75	47.8 / 50 ±2	20 / 20			
BLMA 0840-100/60D	0.8 ... 4 GHz				750	3 HU, 630 mm	28
	0.8 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	60 / 75	47.8 / 50 ±2	20 / 20			
BLMA 0840-100D	0.8 ... 4 GHz				1300	6 HU, 630 mm	42
	0.8 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 0840-200/100D	0.8 ... 4 GHz				1300	6 HU, 630 mm	45
	0.8 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 0840-200D	0.8 ... 4 GHz				2500	9 HU, 630 mm	72
	0.8 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 0840-200	0.8 ... 4 GHz	200 / 250	53 / 55 ±2	18 / 20	2100	5 HU, 630 mm	53
BLMA 0840-270D	0.8 ... 4 GHz				2700	9 HU, 630 mm	78
	0.8 ... 2 GHz	270 / 300	54.3 / 57 ±2	20 / 20			
	2 ... 4 GHz	270 / 300	54.3 / 57 ±2	20 / 20			

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BLMA 0840-350	0.8 ... 4 GHz	350 / 400	55.4 / 59 ±3	20 / 20	6500	8 HU, 630 mm	92
BLMA 0840-400/200D	0.8 ... 4 GHz				3000	13 HU, 630 mm	105
	0.8 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 0840-400	0.8 ... 4 GHz	400 / 450	56 / 59 ±3	20 / 20	6300	7 HU, 630 mm	85
BLMA 0840-750/400D	0.8 ... 4 GHz				8000	41 HU, 800 mm	230
	0.8 ... 2 GHz	750 / 900	58.8 / 61 ±2	20 / 20			
	2 ... 4 GHz	400 / 450	56 / 58 ±2	20 / 20			
BLMA 0840-1000D	0.8 ... 4 GHz				8500	2x 24 HU, 800 mm	460
	0.8 ... 2 GHz	1000 / 1200	60 / 62 ±2	20 / 20			
	2 ... 4 GHz	1000 / 1200	60 / 62 ±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 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	
	<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

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