

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 1040-30/20D	1 ... 4 GHz				200	3 HU, 550 mm	19
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	20 / 35	43 / 45 ±2	20 / 20			
BLMA 1040-30D	1 ... 4 GHz				350	3 HU, 630 mm	20
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
BLMA 1040-60/35D	1 ... 4 GHz				400	3 HU, 630 mm	22
	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20			
	2 ... 4 GHz	35 / 40	45.4 / 48 ±2	20 / 20			
BLMA 1040-60	1 ... 4 GHz	60 / 80	47.8 / 50 ±2	20 / 20	550	3 HU, 630 mm	28
BLMA 1040-60D	1 ... 4 GHz				600	3 HU, 630 mm	26
	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20			
	2 ... 4 GHz	60 / 75	47.8 / 50 ±2	20 / 20			
BLMA 1040-100/60D	1 ... 4 GHz				750	3 HU, 630 mm	28
	1 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	60 / 75	47.8 / 50 ±2	20 / 20			
BLMA 1040-100D	1 ... 4 GHz				1300	6 HU, 630 mm	42
	1 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 1040-120	1 ... 4 GHz	120 / 150	50.8 / 53 ±2	20 / 20	1100	3 HU, 630 mm	32
BLMA 1040-200/100D	1 ... 4 GHz				1300	6 HU, 630 mm	45
	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 1040-200	1 ... 4 GHz	200 / 250	53 / 55 ±2	20 / 20	2200	5 HU, 630 mm	44
BLMA 1040-200D	1 ... 4 GHz				2500	9 HU, 630 mm	52
	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 1040-240/200D	1 ... 4 GHz				2700	9 HU, 630 mm	52
	1 ... 2 GHz	240 / 260	53.8 / 56 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 1040-300/200D	1 ... 4 GHz				2700	9 HU, 630 mm	75
	1 ... 2 GHz	300 / 320	54.8 / 57 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±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
BLMA 1040-350	1 ... 4 GHz	350 / 500	55 / 57 ±2	20 / 20	4000	8 HU, 630 mm	97
BLMA 1040-400/200D	1 ... 4 GHz				2700	13 HU, 630 mm	105
	1 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 1040-500	1 ... 4 GHz	500 / 600	57 / 60 ±3	18 / 20	5000	10 HU, 630 mm	85
BLMA 1040-750/400D	1 ... 4 GHz				8000	32 HU, 800 mm	230
	1 ... 2 GHz	750 / 900	58.8 / 61 ±2	20 / 20			
	2 ... 4 GHz	400 / 450	56 / 58 ±2	20 / 20			
BLMA 1040-1000D	1 ... 4 GHz				8500	2x 24 HU, 800 mm	460
	1 ... 2 GHz	1000 / 1200	60 / 62 ±2	20 / 20			
	2 ... 4 GHz	1000 / 1200	60 / 62 ±2	20 / 20			
BLMA 1040-1300/400D	1 ... 4 GHz				12000	37 HU, 800 mm	350
	1 ... 2 GHz	1300 / 1500	61.1 / 64 ±2	20 / 20			
	2 ... 4 GHz	400 / 450	56 / 58 ±2	20 / 20			

1 HU = 44.45mm

## 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:	2:1 max. für $P_N$ -0.5 dB; infinite for no damage
Spurious (at $P_N$ ):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A-linear

## GENERAL

RF Input:	<8 GHz	N-f, standard on rear panel
	8 bis 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
RF Output:	<8 GHz	N-f, standard on rear panel
	8 to 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
	BLMA 2640-2	WR-28, standard on front panel
Mains Supply:	Line Power:	
	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	

# BLMA 1 ... 4 GHz Solid State Amplifiers

Relative Humidity:	up to 95% (non-condensing)
Operating Altitude:	up to 2000 m above sea level
Vibration and Shock:	MIL-STD-810 F
Cooling:	forced air with integral blower air intake from front, air exhaust at rear

## OPTIONS

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|--------------------------------------|---------------------------|
| A) RF-Sample Ports                   | H) DC Supply              |
| B) External Dual Directional Coupler | I) 3x 200 V AC / 60 Hz    |
| C) IEEE-488.2 GPIB Remote Control    | L) LAN Remote Control     |
| D) Front Panel RF Connectors         | R) RS-232C Remote Control |
| E) Power Indication (digital)        | U) USB Remote Control     |
| F) Gain Adjustment                   | W) Liquid Cooling         |
| G) Output Isolator                   |                           |