

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 1018-0.5	1 ... 18 GHz	0.5 / 0.6	27 / 30 \pm 3	20 / 20	40	2 HU, 430 mm	11
BLMA 1018-1	1 ... 18 GHz	1 / 1.2	30 / 34 \pm 4	20 / 15	40	2 HU, 430 mm	12
BLMA 1018-1.5	1 ... 18 GHz	1.5 / 1.8	31.8 / 35 \pm 3	15 / 20	75	2 HU, 430 mm	11
BLMA 1018-4	1 ... 18 GHz	4 / 4.4	36 / 40 \pm 4	15 / 15	50	2 HU, 430 mm	12
BLMA 1018-4D	1 ... 18 GHz				180	2 HU, 430 mm	13
	1 ... 6 GHz	4 / 5	36 / 39 \pm 3	20 / 20			
	6 ... 18 GHz	4 / 5	36 / 40 \pm 4	18 / 20			
BLMA 1018-7/5D	1 ... 18 GHz				220	2 HU, 430 mm	13
	1 ... 6 GHz	7 / 8	38.4 / 42 \pm 3	15 / 20			
	6 ... 18 GHz	5 / 6	37 / 40 \pm 3	15 / 20			
BLMA 1018-10D	1 ... 18 GHz				300	2 HU, 430 mm	13
	1 ... 6 GHz	10 / 12	40 / 43 \pm 3	15 / 20			
	6 ... 18 GHz	10 / 12	40 / 44 \pm 4	15 / 20			
BLMA 1018-15D	1 ... 18 GHz				350	3 HU, 430 mm	19
	1 ... 6 GHz	15 / 20	41.8 / 45 \pm 3	15 / 20			
	6 ... 18 GHz	15 / 20	41.8 / 45 \pm 3	15 / 20			
BLMA 1018-20D	1 ... 18 GHz				350	3 HU, 430 mm	20
	1 ... 6 GHz	20 / 25	43 / 46 \pm 3	15 / 20			
	6 ... 18 GHz	20 / 22	43 / 46 \pm 3	15 / 20			
BLMA 1018-30/10D	1 ... 18 GHz				400	3 HU, 430 mm	20
	1 ... 6 GHz	30 / 35	44.8 / 48 \pm 3	15 / 20			
	6 ... 16 GHz	10 / 12	40 / 44 \pm 4	15 / 20			
	16 ... 18 GHz	8 / 10	39 / 43 \pm 4	15 / 20			
BLMA 1018-30/15D	1 ... 18 GHz				450	3 HU, 430 mm	23
	1 ... 6 GHz	30 / 35	44.8 / 48 \pm 3	15 / 20			
	6 ... 18 GHz	15 / 18	41.8 / 46 \pm 4	15 / 20			
BLMA 1018-30/20D	1 ... 18 GHz				450	3 HU, 430 mm	23
	1 ... 6 GHz	30 / 35	44.8 / 48 \pm 3	15 / 20			
	6 ... 18 GHz	20 / 22	43 / 47 \pm 4	15 / 20			
BLMA 1018-50D	1 ... 18 GHz				1300	5 HU, 630 mm	52
	1 ... 6 GHz	50 / 60	47 / 50 \pm 3	15 / 20			
	6 ... 18 GHz	50 / 60	47 / 51 \pm 4	15 / 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 1018-100/30/35D	1 ... 18 GHz				1000	4 HU, 630 mm	36
	1 ... 2.5 GHz	100 / 120	50 / 53 ±3	15 / 20			
	2.5 ... 6 GHz	30 / 35	44.8 / 48 ±3	15 / 20			
	6 ... 18 GHz	35 / 40	45.4 / 49 ±3	15 / 20			
BLMA 1018-100D	1 ... 18 GHz				2700	8 HU, 630 mm	85
	1 ... 6 GHz	100 / 110	50 / 53 ±3	15 / 20			
	6 ... 18 GHz	100 / 110	50 / 54 ±4	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 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

A) RF-Sample Ports *)

L) LAN Remote Control

BLMA 1 ... 18 GHz Solid State Amplifiers

B) External Dual Directional Coupler
C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
E) RF Power Indication [digital] *)
F) Gain Adjustment *)
G) Output Isolator *)
H) DC Supply
I) 3x 208 V AC / 60 Hz

N) Harmonics Filtering *)
R) RS-232C Remote Control
S) Internal RF Switching Unit *)
U) USB Remote Control
W) Liquid Cooling
X) External Control of other Amplifiers

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