

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 ±3	20 / 20	60	3 HU, 350 mm	11
BLMA 1018-1	1 ... 18 GHz	1 / 1.2	30 / 33 ±3	15 / 20	60	3 HU, 350 mm	12
BLMA 1018-1DS	1 ... 18 GHz				75	3 HU, 350 mm	12
	1 ... 2 GHz	1 / 1.2	30 / 33 ±3	20 / 20			
	2 ... 18 GHz	1 / 1.2	30 / 33 ±3	15 / 20			
BLMA 1018-1.5	1 ... 18 GHz	1.5 / 1.8	31.8 / 35 ±3	15 / 20	75	3 HU, 350 mm	11
BLMA 1018-4D	1 ... 18 GHz				180	3 HU, 350 mm	16
	1 ... 6 GHz	4 / 5	36 / 39 ±3	20 / 20			
	6 ... 18 GHz	4 / 5	36 / 39 ±3	15 / 20			
BLMA 1018-10D	1 ... 18 GHz				200	3 HU, 550 mm	23
	1 ... 6 GHz	10 / 12	40 / 43 ±3	15 / 20			
	6 ... 18 GHz	10 / 12	40 / 43 ±3	12 / 20			
BLMA 1018-30/20D	1 ... 18 GHz				400	3 HU, 630 mm	26
	1 ... 2 GHz	30 / 35	44.8 / 48 ±3	20 / 20			
	2 ... 6 GHz	20 / 25	43 / 46 ±3	15 / 20			
	6 ... 18 GHz	20 / 22	43 / 46 ±3	12 / 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	

BLMA 1 ... 18 GHz Solid State Amplifiers

	<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	
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

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	