BLMA 1 ... 6 GHz
Solid State Amplifiers

BONN Elektronik
YOUR ULTIMATE RF POWER SOURCE

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 1060-15	1 ... 6 GHz	15 / 20	41.8 / 45 ±3	15 / 20	250	3 HU, 550 mm	13
BLMA 1060-30/20D	1 ... 6 GHz				350	3 HU, 550 mm	20
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 6 GHz	20 / 25	43 / 45 ±2	20 / 20			
BLMA 1060-30D	1 ... 6 GHz				450	3 HU, 550 mm	25
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 6 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
BLMA 1060-50D	1 ... 6 GHz				700	4 HU, 630 mm	36
	1 ... 2 GHz	50 / 70	47 / 49 ±2	20 / 20			
	2 ... 6 GHz	50 / 80	47 / 49 ±2	20 / 20			
BLMA 1060-50DS	1 ... 6 GHz				500	3 HU, 630 mm	26
	1 ... 2.5 GHz	50 / 80	47 / 49 ±2	12 / 20			
	2.5 ... 6 GHz	50 / 60	47 / 49 ±2	15 / 20			
BLMA 1060-75/50D	1 ... 6 GHz				600	3 HU, 630 mm	26
	1 ... 2.5 GHz	75 / 90	48.8 / 51 ±2	12 / 20			
	2.5 ... 6 GHz	50 / 60	47 / 49 ±2	15 / 20			
BLMA 1060-100/50D	1 ... 6 GHz				900	6 HU, 630 mm	49
	1 ... 2 GHz	110 / 125	50.4 / 53 ±2	20 / 20			
	2 ... 4 GHz	100 / 120	50.4 / 53 ±2	18 / 20			
	4 ... 6 GHz	50 / 60	47 / 49 ±2	20 / 20			
BLMA 1060-100/60/30D	1 ... 6 GHz				700	4 HU, 630 mm	38
	1 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	60 / 70	47.8 / 50 ±2	15 / 20			
	4 ... 6 GHz	30 / 40	44.8 / 47 ±2	20 / 20			
BLMA 1060-100D	1 ... 6 GHz				1600	6 HU, 630 mm	60
	1 ... 2 GHz	100 / 125	50 / 52 ±2	20 / 20			
	2 ... 6 GHz	100 / 125	50 / 52 ±2	20 / 20			
BLMA 1060-200/100D	1 ... 6 GHz				1600	9 HU, 630 mm	82
	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	180 / 240	53 / 55 ±2	20 / 20			
	4 ... 6 GHz	100 / 120	50 / 52 ±2	20 / 20			

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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 1060-300/100D	1 ... 6 GHz				2000	6 HU, 630 mm	65
	1 ... 2.5 GHz	300 / 320	54.8 / 57 ±2	20 / 20			
	2.5 ... 4 GHz	180 / 200	52.5 / 55 ±2	15 / 20			
	4 ... 6 GHz	100 / 120	50 / 52 ±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	
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
B) External Dual Directional Coupler
C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
E) Power Indication (digital)
F) Gain Adjustment
H) DC Supply
I) 3x 200 V AC / 60 Hz
L) LAN Remote Control
R) RS-232C Remote Control
U) USB Remote Control
W) Liquid Cooling

G) Output Isolator