

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, 550 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 0840-30D	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 0840-270D	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			
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 0840-400D	0.8 ... 4 GHz				6000	19 HU, 630 mm	180
	0.8 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20			
	2 ... 4 GHz	400 / 450	56 / 58 ±2	20 / 20			

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BLMA 0840-750/400D	0.8 ... 4 GHz				8000	32 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			

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	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

BLMA 0.8 ... 4 GHz Solid State Amplifiers

D) Front Panel RF Connectors
E) Power Indication (digital)
F) Gain Adjustment
G) Output Isolator

R) RS-232C Remote Control
U) USB Remote Control
W) Liquid Cooling