

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 1840-0.1	18 ... 40 GHz	0.1 / 0.12	20 / 22 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 1840-0.2	18 ... 40 GHz	0.2 / 0.22	23 / 25 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.25	18 ... 40 GHz	0.25 / 0.3	24 / 26 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.4	18 ... 40 GHz	0.4 / 0.45	26 / 28 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.7	18 ... 40 GHz				50	3 HU, 350 mm	11
	18 ... 37 GHz	0.7 / 0.8	28.5 / 31 ±2	20 / 20			
	37 ... 40 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20			
BLMA 1840-1D	18 ... 40 GHz				100	3 HU, 350 mm	13
	18 ... 26.5 GHz	1 / 1.1	33 / 36 ±3	20 / 20			
	26.5 ... 40 GHz	1 / 1.1	33 / 37 ±4	20 / 20			
BLMA 1840-2D	18 ... 40 GHz				150	3 HU, 350 mm	14
	18 ... 26.5 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
	26.5 ... 32 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
	32 ... 40 GHz	2 / 2.2	33 / 36 ±3	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%

BLMA 18 ... 40 GHz Solid State Amplifiers

	>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	