

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 2021-50	2.1 ... 2.2 GHz	50 / 60	47 / 49 ±2	50 / 50	400	3 HU, 550 mm	25
BLMA 2021-100	2.1 ... 2.2 GHz	100 / 110	50 / 52 ±2	50 / 50	750	4 HU, 550 mm	28
BLMA 2021-200	2.1 ... 2.2 GHz	200 / 220	53 / 55 ±2	50 / 50	1800	4 HU, 630 mm	32
BLMA 2021-400	2.1 ... 2.2 GHz	400 / 450	56 / 58 ±2	50 / 50	3600	7 HU, 630 mm	65

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)
Noise:	1 ... 18 GHz -20 dBm / MHz
	18 ... 40 GHz -35 dBm / MHz
Class of Operation:	A-linear

GENERAL

RF Input:	1 ... 18 GHz	N-f; standard on rear panel
	18 ... 40 GHz	2.92 mm-f; standard on rear panel
RF Output:	1 ... 8 GHz	N-f
	6 ... 18 GHz	WRD 650
	8 ... 18 GHz	WRD 750
	18 ... 40 GHz	WRD 180
Sample Port:	-50 dB forward	
Mains Supply:	200 ... 264 V AC	47 ... 63 Hz
Ambient Temperature:	0 ... +40 °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:	normal laboratory environment	
Cooling:	forced air with integral blower air intake and exhaust at rear	

OPTIONS

A) RF Monitor Outputs	G) Output Isolator
B) External Dual Directional Coupler	L) LAN Remote Control

Cellular Bands 2.11 ... 2.17 GHz

Solid State Amplifiers

C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
E) Power Indication (digital)
F) Gain Adjustment

N) Harmonic Filter
R) RS-232C Remote Control
U) USB Remote Control