

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 1012-100D	1 ... 12 GHz				2700	8 HU, 630 mm	85
	1 ... 6 GHz	100 / 110	50 / 53 ±3	15 / 20			
	6 ... 12 GHz	100 / 110	50 / 54 ±4	15 / 20			

1 HU = 44.45 mm

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:	infinite for no damage (100% mismatch tolerant)
	P_N -0.5 dB min. at VSWR 2:1
Spurious (at P_N):	-60 dBc min. (excluding harmonics)
Class of Operation:	A-linear or AB-linear

GENERAL

RF Input:	N-f, standard on rear panel
RF Output:	N-f, standard on rear panel
Mains Supply:	200 ... 240 V AC, 47 ... 63 Hz
Elapsed Time Meter:	via status display
Ambient Temperature:	0 ... +45 °C
Storage Temperature:	-25 ... +85 °C
Relative Humidity:	up to 95% (non-condensing)
Operating Altitude:	up to 2000 m above sea level
Vibration and Shock:	MIL-STD-810 G
Cooling:	forced air with integral blower
	air intake from front, air exhaust at rear
	Option W: Liquid cooling
	External heat exchanger required

OPTIONS

A) RF-Sample Ports *)	N) Harmonics Filtering *)
B) External Dual Directional Coupler	P) Precise RMS RF Power Sensor (internal)
C) IEEE-488.2 GPIB Remote Control	R) RS-232C/RS-485 Remote Control
D) Front Panel RF Connectors	S) Internal RF Switching Unit *)

BLMA 1 ... 12 GHz Solid State Amplifiers

- E) RF Power Indication (digital) *)
- F) Gain Adjustment *)
- G) Output Isolator *)
- H) DC Supply
- I) 3x 208 V AC / 60 Hz
- L) LAN Remote Control

- U) USB Remote Control
- W) Liquid Cooling
- X) External Control of other Amplifiers

*) These options may reduce output power and/or gain