

### 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 2527-300	2.5 ... 2.7 GHz	300 / 350	54.8 / 57 ±2	40 / 40	1500	4 HU, 630 mm	35
BLMA 2527-600	2.5 ... 2.7 GHz	600 / 650	57.8 / 60 ±2	40 / 40	3000	5 HU, 630 mm	52

For individual data sheets, please click on the above model name

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 $P_N$ ):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A-linear or AB-linear

### GENERAL

RF Input:	<12 GHz 12 bis 18 GHz >18 GHz	N-f, standard on rear panel SMA-f, standard on front panel 2.92 mm-f, standard on front panel
RF Output:	<12 GHz 12 to 18 GHz >18 GHz	N-f, standard on rear panel SMA-f, standard on front panel 2.92 mm-f, standard on front panel
Mains Supply:	Line Power: Line Power <800 VA 800 ... 3000 VA >3000 VA	100 ... 240 V AC ±10% 200 ... 240 V AC ±10% 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 G	
Cooling:	forced air with integral blower air intake from front, air exhaust at rear	

### OPTIONS

A) RF-Sample Ports *)	L) LAN Remote Control
B) External Dual Directional Coupler	N) Harmonics Filtering *)
C) IEEE-488.2 GPIB Remote Control	R) RS-232C Remote Control
D) Front Panel RF Connectors	S) Internal RF Switching Unit *)

# Narrow Band Amplifiers 2.5 ... 2.7 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

U) USB Remote Control

W) Liquid Cooling

X) External Control of other Amplifiers

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