

## 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 3140-2	31 ... 40 GHz	2 / 2.5	33 / 36 ±3	20 / 20	50	2 HU, 430 mm	11
BLMA 3140-4	31 ... 40 GHz	4 / 4.5	36 / 39 ±3	20 / 20	250	2 HU, 430 mm	12
BLMA 3140-10	31 ... 40 GHz	10 / 11	40 / 44 ±4	20 / 20	450	2 HU, 430 mm	13

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)
Spurious (at $P_N$ ):	$P_N$ -0.5 dB min. at VSWR 2:1
Class of Operation:	-50 dBc typ. (excluding harmonics)
	A-linear or AB-linear

## GENERAL

RF Input:	<12 GHz	N-f, standard on rear panel
	12 bis 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
RF Output:	<12 GHz	N-f, standard on rear panel
	12 to 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
Mains Supply:	Line Power:	
	Line Power	
	<800 VA	100 ... 240 V AC ±10%
	800 ... 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 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 *)

# BLMA 31 ... 40 GHz Solid State Amplifiers

C) IEEE-488.2 GPIB Remote Control  
D) Front Panel RF Connectors  
E) RF Power Indication (digital) \*)  
F) Gain Adjustment \*)  
G) Output Isolator \*)  
H) DC Supply  
I) 3x 208 V AC / 60 Hz

R) RS-232C Remote Control  
S) Internal RF Switching Unit \*)  
U) USB Remote Control  
W) Liquid Cooling  
X) External Control of other Amplifiers

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