

## 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 1018-100/30/35D	1 ... 18 GHz				1000	4 HU, 630 mm	36
	1 ... 2.5 GHz	100 / 120	50 / 53 ±3	15 / 20			
	2.5 ... 6 GHz	30 / 35	44.8 / 48 ±3	15 / 20			
	6 ... 18 GHz	35 / 40	45.4 / 49 ±3	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:	SMA-f, standard on front panel
RF Output:	SMA-f, standard on front 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 *)	L) LAN Remote Control
B) External Dual Directional Coupler	N) Harmonics Filtering *)

# BLMA 1 ... 18 GHz Solid State Amplifiers

C) IEEE-488.2 GPIB Remote Control  
D) Rear 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/RS-485 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