

**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 2640-0.1	26.5 ... 40 GHz	0.1 / 0.12	20 / 23 ±3	20 / 20	50	2 HU, 430 mm	9
BLMA 2640-0.2	26.5 ... 40 GHz	0.2 / 0.23	23 / 26 ±3	20 / 20	50	2 HU, 430 mm	9
BLMA 2640-0.3	26.5 ... 40 GHz	0.3 / 0.35	25 / 28 ±3	20 / 20	90	2 HU, 430 mm	9
BLMA 2640-0.5	26.5 ... 40 GHz	0.5 / 0.6	27 / 30 ±3	20 / 20	90	2 HU, 430 mm	10
BLMA 2640-0.8	26.5 ... 40 GHz	0.8 / 1	29 / 32 ±3	20 / 20	90	2 HU, 430 mm	10
BLMA 2640-1	26.5 ... 40 GHz	1 / 1.1	30 / 34 ±4	20 / 20	110	2 HU, 430 mm	11
BLMA 2640-1.5	26.5 ... 40 GHz	1.5 / 1.6	31.8 / 36 ±4	20 / 20	120	2 HU, 430 mm	12
BLMA 2640-2	26.5 ... 40 GHz 26.5 ... 36 GHz 36 ... 40 GHz	2 / 2.1 1.6 / 1.8	33 / 37 ±4 32 / 36 ±4	20 / 20 20 / 20	150	2 HU, 430 mm	12
BLMA 2640-4D	26.5 ... 40 GHz 26.5 ... 31 GHz 31 ... 40 GHz	4 / 4.5 4 / 4.25	36 / 40 ±4 36 / 40 ±4	20 / 20 20 / 20	300	2 HU, 430 mm	13
BLMA 2640-5	26.5 ... 40 GHz	5 / 5.25	37 / 41 ±4	20 / 20	300	2 HU, 430 mm	14
BLMA 2640-5D	26.5 ... 40 GHz 26.5 ... 31 GHz 31 ... 40 GHz	5 / 5.25 5 / 5.25	37 / 41 ±4 37 / 41 ±4	20 / 20 20 / 20	300	2 HU, 430 mm	14
BLMA 2640-10D	26.5 ... 40 GHz 26.5 ... 31 GHz 31 ... 40 GHz	10 / 11 10 / 11	40 / 44 ±4 40 / 44 ±4	20 / 20 20 / 20	450	3 HU, 430 mm	18

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

<b>RF Input:</b>	<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
<b>RF Output:</b>	<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
<b>Mains Supply:</b>	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%
<b>Elapsed Time Meter:</b>	via status display	
<b>Ambient Temperature:</b>	0 ... +45 °C	
<b>Storage Temperature:</b>	-20 ... +85 °C	
<b>Relative Humidity:</b>	up to 95% (non-condensing)	
<b>Operating Altitude:</b>	up to 2000 m above sea level	
<b>Vibration and Shock:</b>	MIL-STD-810 F	
<b>Cooling:</b>	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 *]
E) RF Power Indication [digital] *]	U) USB Remote Control
F) Gain Adjustment *]	W) Liquid Cooling
G) Output Isolator *]	X) External Control of other Amplifiers
H) DC Supply	
I) 3x 208 V AC / 60 Hz	*] These options may reduce output power and/or gain