

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	13
BLMA 2640-8	26.5 ... 40 GHz	8 / 9	39 / 43 ±4	20 / 20	300	2 HU, 430 mm	13
BLMA 2640-10	26.5 ... 40 GHz	10 / 11	40 / 44 ±4	20 / 20	400	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)
	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	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

BLMA 26.5 ... 40 GHz Solid State Amplifiers

Mains Supply:	>18 GHz	2.92 mm-f, standard on front panel
	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 *] |
| 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