

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 0525-10	0.5 ... 2.5 GHz	10 / 12	40 / 42 $\pm$ 2	12 / 15	100	3 HU, 350 mm	11
BLMA 0525-20	0.5 ... 2.5 GHz	20 / 30	43 / 45 $\pm$ 2	12 / 15	150	3 HU, 350 mm	12
BLMA 0525-35	0.5 ... 2.5 GHz	35 / 50	45.4 / 48 $\pm$ 2	12 / 20	300	3 HU, 350 mm	13
BLMA 0525-70	0.5 ... 2.5 GHz	70 / 100	48.4 / 51 $\pm$ 2	12 / 20	500	3 HU, 550 mm	19
BLMA 0525-140	0.5 ... 2.5 GHz	140 / 180	51.5 / 54 $\pm$ 2	12 / 20	1000	4 HU, 630 mm	34
BLMA 0525-150S	0.8 ... 2.5 GHz	150 / 180	51.5 / 54 $\pm$ 2	12 / 20	1000	4 HU, 630 mm	34
BLMA 0525-250	0.5 ... 2.5 GHz	250 / 300	54 / 56 $\pm$ 2	12 / 15	2000	4 HU, 630 mm	38

1 HU = 44.45mm

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:	2:1 max. für P_N -0.5 dB; infinite for no damage
Spurious (at P_N):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A-linear

GENERAL

RF Input:	<8 GHz 8 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:	<8 GHz 8 to 18 GHz >18 GHz BLMA 2640-2	N-f, standard on rear panel SMA-f, standard on front panel 2.92 mm-f, standard on front panel WR-28, standard on front panel
Mains Supply:	Line Power: Line Power <1000 VA 1000 ... 3000 VA >3000 VA	100 ... 240 V AC $\pm$ 10% 200 ... 240 V AC $\pm$ 10% 3x 400 V AC $\pm$ 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 F	
Cooling:	forced air with integral blower air intake from front, air exhaust at rear	

BLMA 0.5 ... 2.5 GHz Solid State Amplifiers

OPTIONS

- | | |
|--------------------------------------|---------------------------|
| A) RF-Sample Ports | H) DC Supply |
| B) External Dual Directional Coupler | I) 3x 200 V AC / 60 Hz |
| C) IEEE-488.2 GPIB Remote Control | L) LAN Remote Control |
| D) Front Panel RF Connectors | R) RS-232C Remote Control |
| E) Power Indication (digital) | U) USB Remote Control |
| F) Gain Adjustment | W) Liquid Cooling |
| G) Output Isolator | |