

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 4080-1	4 ... 8 GHz	1 / 1.2	30 / 32 ±2	20 / 20	40	2 HU, 430 mm	11
BLMA 4080-2	4 ... 8 GHz	2 / 2.3	33 / 35 ±2	20 / 20	50	2 HU, 430 mm	11
BLMA 4080-3	4 ... 8 GHz	3 / 3.5	34.8 / 38 ±3	20 / 20	110	2 HU, 430 mm	12
BLMA 4080-5	4 ... 8 GHz	5 / 6	37 / 40 ±3	20 / 20	150	2 HU, 430 mm	12
BLMA 4080-7	4 ... 8 GHz	7 / 8	38.5 / 42 ±3	15 / 20	200	2 HU, 430 mm	12
BLMA 4080-10	4 ... 8 GHz	10 / 12	40 / 43 ±3	20 / 20	300	2 HU, 430 mm	13
BLMA 4080-20	4 ... 8 GHz	20 / 22	43 / 46 ±3	15 / 20	400	2 HU, 430 mm	13
BLMA 4080-30	4 ... 8 GHz	30 / 40	44.8 / 48 ±3	20 / 20	750	3 HU, 430 mm	22
BLMA 4080-60	4 ... 8 GHz	60 / 70	47.8 / 51 ±3	20 / 20	1600	4 HU, 630 mm	38
BLMA 4080-100	4 ... 8 GHz	100 / 110	50 / 53 ±3	20 / 20	2500	5 HU, 630 mm	45

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
	>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	

BLMA 4 ... 8 GHz Solid State Amplifiers

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