

BLMA

2 ... 4 GHz

Solid State

Standard Models

Model	Frequency Range	Output Power P _N min W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H, D) 19"-System	Weight kg
BLMA 2040-1	2 ... 4 GHz	1	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 2040-3	2 ... 4 GHz	3	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 2040-7	2 ... 4 GHz	7	38.5 / 41 ±2	20 / 20	125	3 HU, 350 mm	12
BLMA 2040-20	2 ... 4 GHz	20	43 / 45 ±2	20 / 20	200	3 HU, 350 mm	15
BLMA 2040-35	2 ... 4 GHz	35	45,4 / 48 ±2	20 / 20	400	3 HU, 630 mm	18
BLMA 2040-60	2 ... 4 GHz	60	47.8 / 50 ±2	20 / 20	600	3 HU, 630 mm	26
BLMA 2040-110	2 ... 4 GHz	110	50.4 / 53 ±2	20 / 20	1100	3 HU, 630 mm	28
BLMA 2040-200	2 ... 4 GHz	200	53 / 55 ±2	20 / 20	2500	6 HU, 630 mm	45
BLMA 2040-300	2 ... 4 GHz	300	54.8 / 57 ±2	20 / 20	4000	12 HU, 630 mm	120
BLMA 2040-400	2 ... 4 GHz	400	56 / 58 ±2	20 / 20	5000	15 HU, 630 mm	150

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. for 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: N-f (<8 GHz), standard on rear panel
 SMA-f (8 to 18 GHz), standard on front panel
 K-f (>18 GHz), standard on front panel

RF Output: N-f (<8 GHz), standard on rear panel
 SMA-f (8 to 18 GHz), standard on front panel
 K-f (>18 GHz), standard on front panel

Mains Supply: Line Power: <1000 W
 100 ... 240 V AC ±10% / 47 ... 63 Hz
 Line Power: 1000 ... 3000 W
 200 ... 240 V AC ±10% / 47 ... 63 Hz
 Line Power: >3000 W
 3x 400 V AC ±10% / 47 ... 63 Hz

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

Options:

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

Specifications are subject to change without notice

