

STANDARD MODELS

Model	Frequency Range	Output Power P_N min dBm	Gain min / typ dB	Noise Figure dB	Dimensions (W, D, H) mm	Weight kg
BLMA 1840-1M	18 ... 40 GHz	+5	23 / 26 ±2.5	2.7	120 x 100 x 51	1
BLMA 1840-1A	18 ... 40 GHz	+5	23 / 26 ±2.5	3	120 x 100 x 51	1
BLMA 1840-2A	18 ... 40 GHz	+5	23 / 26 ±2.5	3.5	120 x 100 x 51	1
BLMA 1840-3A	18 ... 40 GHz	+5	23 / 26 ±2.5	5	120 x 100 x 51	1
BLMA 1840-3G	18 ... 40 GHz	+5	30 / 33 ±2.5	2.9	120 x 100 x 51	1
BLMA 1840-4G	18 ... 40 GHz	+5	40 / 43 ±2.5	3.5	120 x 100 x 51	1
BLMA 1840-4A	18 ... 40 GHz	+5	32 / 35 ±2.5	2.8	120 x 100 x 51	1

STANDARD SPECIFICATIONS

Input Impedance:	50 Ohm nominal
Load VSWR:	<2.5:1 typ.
Spurious:	-50 dBc typ. (excluding harmonics)
Harmonics:	-20 dBc min.
Class of Operation:	A-linear

GENERAL

RF Input:	<18 GHz	precision N-m<
	18 GHz	horn antenna
RF Output:	<18 GHz	precision N-f
	>18 GHz	2.92 mm-f
Mains Supply:	Linear regulated power supply	
	230 V AC	47 ... 63 Hz
Power Consumption:	<10 W	
Conformity:	CE (EN 55022, CISPR 22)	
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	

OPTIONS

-1A: CISPR, FCC, MIL, EN	for civil applications
-A: CISPR, FCC, MIL, EN	for basic laboratory measurements (economic)
-BT:	Bluetooth for measurements of bluetooth systems
(including filter)	
-M: MIL-461, MIL-285	for MIL-compliant measurements

EMI Preamplifiers 18 ... 40 GHz

LNAs with optional Antennas

K) Battery Operation

1) Bluetooth filter limits the useable
frequency range to 3 ... 18 GHz!