

# BLMA

## 18 ... 40 GHz

## EMI Preamplifier

### Standard Models

Model	Frequency Range	Output Power P <sub>N</sub> min dBm	Gain min / typ dB	Noise Figure dB	Dimensions (W,H,D) mm	Weight kg
BLMA 1840-1A	18 ... 40 GHz	+5	23 / 26 ±2.5	3.0	93 x 65 x 206	1
BLMA 1840-2A	18 ... 40 GHz	+5	23 / 26 ±2.5	3.5	93 x 65 x 206	1
BLMA 1840-3A	18 ... 40 GHz	+5	23 / 26 ±2.5	5.0	93 x 65 x 206	1

### Standard Specifications:

Output 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:	precision N-m (<18 GHz) horn antenna (>18 GHz)
RF Output:	precision N-f (<18 GHz) K-f (>18 GHz)
Mains Supply:	85 ... 264 V AC / 47 ... 63 Hz Option L: 230 V AC / 47 ... 63 Hz
Power Consumption:	<10 W
Conformity:	CE (EN 55022, CISPR 22)
Ambient Temperature:	0 ... +45 °C

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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
Mounting:	via HF 906 horn antenna (<18 GHz) mounting bracket for mounting to tripods (>18 GHz)

**Options:**

-A: CISPR, FCC, MIL, EN	for basic laboratory measurements (economic)
-1A: CISPR, FCC, MIL, EN	for civil applications
-M: MIL-461, MIL-285	for MIL-compliant measurements
-BT: Bluetooth	for measurements of bluetooth systems (including filter)
(1)	The Bluetooth filter limits the useable frequency range to 3 ... 18 GHz!

H) Battery Operation

L) Linear regulated power supply

Specifications are subject to change without notice



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