

# BLMA

## 1 ... 18 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 0118-A	1 ... 18 GHz	+10	18 / 21 ±3	2.5	93 x 65 x 208	1.5
BLMA 0118-BT	1 ... 18 GHz 3 ... 18 GHz (1)	+3	46 / 50 ±4	3.2	93 x 65 x 208	1.5
BLMA 0118-M	1 ... 18 GHz	+4	48 / 52 ±4	2.5	93 x 65 x 208	1.5
BLMA 0118-1A	1 ... 18 GHz	+10	30 / 32 ±2	2.6	93 x 65 x 208	1.5
BLMA 0118-1ABT	1 ... 18 GHz 3 ... 18 GHz (1)	+9	28 / 30 ±2	3.3	93 x 65 x 208	1.5
BLMA 0118-1BT	1 ... 18 GHz 3 ... 18 GHz (1)	+9	36 / 39 ±3	3.2	93 x 65 x 208	1.5
BLMA 0118-1M	1 ... 18 GHz	+10	38 / 41 ±3	2.5	93 x 65 x 208	1.5
BLMA 0118-2A	1 ... 18 GHz	+5	29 / 31 ±2	2.8	93 x 65 x 208	1.5
BLMA 0118-3A	1 ... 18 GHz	+8	30 / 32 ±2	3.0	93 x 65 x 208	1.5
BLMA 0118-4A	1 ... 18 GHz	+8	40 / 42 ±2	3.0	93 x 65 x 208	1.5
BLMA 0118-5A	1 ... 18 GHz	+8	50 / 52 ±2	3.0	93 x 65 x 208	1.5

### 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
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

