

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 0118-BT	3 ... 18 GHz ¹⁾	+8	48 / 51 ±3	3	120 x 100 x 50	1.5
BLMA 0118-M	1 ... 18 GHz	+10	50 / 53 ±3	2.3	120 x 100 x 50	1.5
BLMA 0118-1A	1 ... 18 GHz	+10	30 / 32 ±2	2.5	120 x 100 x 50	1.5
BLMA 0118-1ABT	3 ... 18 GHz ¹⁾	+9	28 / 30 ±2	3.3	120 x 100 x 50	1.5
BLMA 0118-1BT	3 ... 18 GHz ¹⁾	+9	36 / 39 ±3	3.2	120 x 100 x 50	1.5
BLMA 0118-1M	1 ... 18 GHz	+10	38 / 41 ±3	2.5	120 x 100 x 50	1.5
BLMA 0118-3A	1 ... 18 GHz	+10	30 / 32 ±2	3	120 x 100 x 50	1.5
BLMA 0118-4A	1 ... 18 GHz	+10	36 / 38 ±2	3	120 x 100 x 50	1.5
BLMA 0118-5A	1 ... 18 GHz	+10	48 / 50 ±2	3	120 x 100 x 50	1.5
BLMA 0118-3G	1 ... 18 GHz	+10	30 / 32 ±2	3.5	120 x 100 x 50	1.5
BLMA 0118-4G	1 ... 18 GHz	+8	40 / 42 ±2	3.5	120 x 100 x 50	1.5
BLMA 0118-5G	1 ... 18 GHz	+8	49 / 51 ±2	3.5	120 x 100 x 50	1.5

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

K) Battery Operation

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