EMI Preamplifiers 18 ... 26.5 GHz
LNAs with optional Antennas

BONN Elektronik
YOUR ULTIMATE RF POWER SOURCE

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 1826-1M	18 ... 26.5 GHz	+10	40 / 42 ±2	2.5	144 x 93 x 65	1
BLMA 1826-2M	18 ... 26.5 GHz	+10	30 / 32 ±2	2.5	144 x 93 x 65	1
BLMA 1826-3A	18 ... 26.5 GHz	+10	30 / 32 ±2	3	144 x 93 x 65	1
BLMA 1826-4A	18 ... 26.5 GHz	+10	38 / 40 ±2	3	144 x 93 x 65	1
BLMA 1826-4M	18 ... 26.5 GHz	+10	42 / 44 ±2	1.8	144 x 93 x 65	1
BLMA 1826-5A	18 ... 26.5 GHz	+10	50 / 52 ±2	3	144 x 93 x 65	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	precisision N-m<
	18 GHz	horn antenna
RF Output:	<18 GHz	precisision 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!