



产 品 手 册

仪器型号: BONN 射频功率放大器BLMA 2020-10

西安安泰测试科技有限公司

仪器维修|租赁|销售|测试

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STANDARD MODELS

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 2020-10	2 ... 20 GHz				400	2 HU, 430 mm	15
	2 ... 17 GHz	10 / 14	40 / 44 ±4	15 / 20			
	17 ... 20 GHz	7 / 10	38.5 / 42 ±3	15 / 15			

1 HU = 44.45 mm

STANDARD SPECIFICATIONS

Input Power:	0 dBm (1 mW) max.
Overdrive Protection:	up to +10 dBm for no damage
Input Impedance:	50 Ohm nominal
Output Impedance:	50 Ohm nominal
Input VSWR:	<2:1 typ.
Load VSWR:	infinite for no damage (100% mismatch tolerant)
	P_N -0.5 dB min. at VSWR 2:1
Spurious (at P_N):	-60 dBc min. (excluding harmonics)
Class of Operation:	A-linear or AB-linear

GENERAL

RF Input:	SMA-f, standard on front panel
RF Output:	SMA-f, standard on front panel
Mains Supply:	100 ... 240 V AC ±10%, 47 ... 63 Hz
Elapsed Time Meter:	via status display
Ambient Temperature:	0 ... +45 °C
Storage Temperature:	-25 ... 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
Cooling:	forced air with integral blower
	air intake from front, air exhaust at rear

OPTIONS

A) RF-Sample Ports *)	L) LAN Remote Control
B) External Dual Directional Coupler	N) Harmonics Filtering *)
C) IEEE-488.2 GPIB Remote Control	R) RS-232C/RS-485 Remote Control
D) Rear Panel RF Connectors	S) Internal RF Switching Unit *)
E) RF Power Indication (digital) *)	U) USB Remote Control
F) Gain Adjustment *)	W) Liquid Cooling

BLMA 2 ... 20 GHz Solid State Amplifiers

G) Output Isolator *)
H) DC Supply
I) 3x 208 V AC / 60 Hz

X) External Control of other Amplifiers

*) These options may reduce output power and/or gain