



# 产 品 手 册

仪器型号: BONN 射频功率放大器BLMA 2020-1

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<br>$P_N$ min / typ<br>W | Gain<br>min / typ<br>dB | Harmonics<br>2nd / 3rd<br>dBc | Line Power<br>VA | Dimensions<br>(H, D)<br>19"-System | Weight<br>kg |
|-------------|-----------------|--------------------------------------|-------------------------|-------------------------------|------------------|------------------------------------|--------------|
| BLMA 2020-1 | 2 ... 20 GHz    | 1 / 1.2                              | 30 / 33 ±3              | 18 / 20                       | 100              | 2 HU, 430 mm                       | 9            |

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                       |
| G) Output Isolator *)                | X) External Control of other Amplifiers |
| H) DC Supply                         |                                         |

# BLMA 2 ... 20 GHz Solid State Amplifiers

I) 3x 208 V AC / 60 Hz

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