



产 品 手 册

仪器型号: BONN BSA_0040_250射频功率放大器

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
BSA 0040-250	4 kHz ... 400 MHz				2500	4 HU, 630 mm	38
	DC ... 0 kHz	0 / 0	0 / 0 ±0	0 / 0			
	4 ... 9 kHz	60 / 75	47.8 / 51 ±3	20 / 15			
	9 kHz ... 400 MHz	250 / 270	54 / 56 ±2	20 / 20			

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

GENERAL

RF Input:	N-f, standard on rear panel
RF Output:	N-f, standard on rear panel
Mains Supply:	200 ... 240 V AC ±10%, 47 ... 63 Hz
Elapsed Time Meter:	via status display
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
Cooling:	forced air with integral blower
	air intake from front, air exhaust at rear
	Option W: Liquid cooling
	External heat exchanger required

OPTIONS

A) RF Monitor Outputs	L) LAN Remote Control
B) External Dual Directional Coupler	R) RS-232C/RS-485 Remote Control

BSA 4 kHz ... 400 MHz Solid State Amplifiers

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|-----------------------------------|---|
| C) IEEE-488.2 GPIB Remote Control | S) Internal RF Switching Unit |
| D) Front Panel RF Connectors | U) USB Remote Control |
| E) RF Power Indication (digital) | W) Liquid Cooling |
| F) Gain Adjustment | X) External Control of other Amplifiers |
| H) DC Supply | (XL) Rack width 800 mm |