BSA 100 kHz ... 1000 MHz
Solid State Amplifiers

BONN Elektronik
RF POWER IS OUR PASSION

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 1001-500/300D	100 kHz ... 1000 MHz				2500	4 HU, 630 mm	46
	100 kHz ... 250 MHz	500 / 550	57 / 59 ±2	20 / 18			
	250 ... 400 MHz	300 / 350	54.8 / 57 ±2	20 / 20			
	400 ... 1000 MHz	300 / 350	54.8 / 57 ±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, 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 Option W: Liquid cooling External heat exchanger required

OPTIONS

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

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