BSA 9 kHz ... 250 MHz
Solid State Amplifiers

BONN Elektronik
YOUR ULTIMATE RF POWER SOURCE

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 0125-5	9 kHz ... 250 MHz	5 / 8	37 / 39 ±2	20 / 20	100	2 HU, 430 mm	10
BSA 0125-15	9 kHz ... 250 MHz	15 / 25	41.8 / 44 ±2	20 / 20	175	2 HU, 430 mm	12
BSA 0125-25	9 kHz ... 250 MHz	25 / 30	44 / 46 ±2	20 / 20	300	2 HU, 430 mm	12
BSA 0125-75	9 kHz ... 250 MHz	75 / 100	48.8 / 51 ±2	25 / 20	350	2 HU, 430 mm	13
BSA 0125-125	9 kHz ... 250 MHz	125 / 150	51 / 53 ±2	20 / 20	550	2 HU, 430 mm	14
BSA 0125-150	9 kHz ... 250 MHz	150 / 200	51.8 / 54 ±2	20 / 20	650	3 HU, 630 mm	27
BSA 0125-200	9 kHz ... 250 MHz	200 / 220	53 / 55 ±2	20 / 20	1150	3 HU, 630 mm	30
BSA 0125-250	9 kHz ... 250 MHz	250 / 300	54 / 56 ±2	20 / 20	1300	3 HU, 630 mm	31
BSA 0125-300N	9 kHz ... 250 MHz	300 / 350	54 / 56 ±2	20 / 20	850	3 HU, 630 mm	34
BSA 0125-400	9 kHz ... 250 MHz	400 / 500	56 / 58 ±2	20 / 20	2000	5 HU, 630 mm	52
BSA 0125-500	9 kHz ... 250 MHz	500 / 600	57 / 59 ±2	20 / 20	2800	5 HU, 630 mm	58
BSA 0125-800	9 kHz ... 250 MHz	800 / 900	59 / 61 ±2	20 / 20	3500	5 HU, 630 mm	62
BSA 0125-1000/800	9 kHz ... 250 MHz 9 kHz ... 200 MHz 200 ... 250 MHz	 1000 / 1200 800 / 1000	 60 / 62 ±2 59 / 61 ±2	 20 / 18 20 / 20	6000	10 HU, 630 mm	110
BSA 0125-1000	9 kHz ... 250 MHz	1000 / 1100	60 / 62 ±2	20 / 18	7000	10 HU, 630 mm	110
BSA 0125-1250	9 kHz ... 250 MHz	1250 / 1350	61 / 63 ±2	20 / 18	7500	10 HU, 630 mm	110
BSA 0125-2000	9 kHz ... 250 MHz	2000 / 2200	63 / 65 ±2	20 / 18	14000	18 HU, 800 mm	180

For individual data sheets, please click on the above model name

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):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A linear or A-B linear

GENERAL

RF Input:	N-f, standard on rear panel	
RF Output:	standard on rear panel	
	<1 kW	N-f
	<3 kW	7-16-f
	<5 kW	EIA 1 5/8
Mains Supply:	Line Power:	
	<1000 VA	100 ... 240 V AC ±10% / 47 ... 63 Hz
	1000 ... 3000 VA	200 ... 240 V AC ±10% / 47 ... 63 Hz
	>3000 VA	3x 400 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	

OPTIONS

A) RF Monitor Outputs
B) External Dual Directional Coupler
C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
E) RF Power Indication (digital)
F) Gain Adjustment
H) DC Supply
L) LAN Remote Control
R) RS-232C Remote Control
S) Internal RF Switching Unit
U) USB Remote Control
W) Liquid Cooling
X) External Control of other Amplifiers