BSA 9 kHz ... 1000 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 0101-5	9 kHz ... 1000 MHz	5 / 8	37 / 39 ±2	20 / 20	100	2 HU, 430 mm	11
BSA 0101-7.5	9 kHz ... 1000 MHz	7.5 / 10	38.8 / 41 ±2	20 / 20	150	2 HU, 430 mm	13
BSA 0101-25/30D	9 kHz ... 1000 MHz				450	2 HU, 430 mm	14
	9 kHz ... 250 MHz	25 / 30	44 / 46 ±2	25 / 20			
	200 ... 1000 MHz	30 / 35	44.8 / 47 ±2	25 / 25			
BSA 0101-75/60D	9 kHz ... 1000 MHz				450	3 HU, 630 mm	23
	9 kHz ... 250 MHz	75 / 100	48.8 / 51 ±2	20 / 20			
	200 ... 1000 MHz	60 / 75	47.8 / 50 ±2	20 / 20			
BSA 0101-100D	9 kHz ... 1000 MHz				600	3 HU, 630 mm	23
	9 kHz ... 400 MHz	100 / 120	50 / 52 ±2	20 / 20			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
BSA 0101-150/120D	9 kHz ... 1000 MHz				800	3 HU, 630 mm	33
	9 kHz ... 400 MHz	150 / 180	51.8 / 54 ±2	20 / 20			
	400 ... 1000 MHz	120 / 130	50.8 / 53 ±2	20 / 20			
BSA 0101-250/120D	9 kHz ... 1000 MHz				1400	4 HU, 630 mm	41
	9 kHz ... 250 MHz	250 / 280	54 / 56 ±2	20 / 18			
	200 ... 1000 MHz	120 / 140	50.8 / 53 ±2	20 / 20			
BSA 0101-250D	9 kHz ... 1000 MHz				2100	4 HU, 630 mm	43
	9 kHz ... 400 MHz	250 / 300	54 / 56 ±2	20 / 20			
	400 ... 1000 MHz	250 / 300	54 / 56 ±2	20 / 20			
BSA 0101-500D	9 kHz ... 1000 MHz				4000	9 HU, 630 mm	85
	9 kHz ... 250 MHz	500 / 600	57 / 59 ±2	20 / 20			
	200 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20			
BSA 0101-1000D	9 kHz ... 1000 MHz				9000	32 HU, 800 mm	300
	9 kHz ... 100 MHz	1000 / 1200	60 / 62 ±2	20 / 18			
	100 ... 1000 MHz	1000 / 1200	60 / 62 ±2	20 / 20			

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