

Specification of BA Series

■ Frequency

	BA4825	BA4850
Frequency band	DC to 2MHz	DC to 50MHz

■ Output

	BA4825	BA4850	
Maximum output voltage	$\pm 150V$ range (rated resistance load 200Ω)		
	100V _{rm} or greater	40Hz to 500kHz	
	70V _{rms} or greater	500kHz to 1MHz	
	40V _{rms} or greater	1MHz to 2MHz	
	$\pm 150V$ range (rated resistance load 450Ω)		
	$\pm 150V$ (300V _{p-p})	DC to 500kHz	
	$\pm 100V$ (200V _{p-p})	500kHz to 1MHz	$\pm 20V$ (rated resistance load 50Ω) :
	$\pm 56V$ (112V _{p-p})	1MHz to 2MHz	DC to 20MHz
	$+250V$ range (rated resistance load $1,250\Omega$)		$\pm 14.2V$ (rated resistance load 50Ω) :
	-50V to +250V	DC to 500kHz	20MHz to 50MHz
	+40V to +240V	500kHz to 1MHz	
	+80V to +200V	1MHz to 2MHz	
	$-250V$ range (rated resistance load $1,250\Omega$)		
-250V to +50V	DC to 500kHz		
-240V to -40V	500kHz to 1MHz		
-200v to -80V	1MHz to 2MHz		
Rated output current	0.5Arms ($\pm 150V$ range, rated resistance load 200Ω)	$\pm 1A$, DC	
Output power	Constant voltage (CV)		
Output polarity	In-phase or reversed phase (toggled with the panel switch)		
Characteristics of small amplitude frequency	DC to 100kHz, ± 0.5 dB	DC to 100kHz, ± 0.5 dB	
	100kHz to 2MHz, +1, -3 dB	10 kHz to 5 MHz, +1, -3dB	
	Conditions: Output amplitude 20 V _{rms} , reference 1 kHz	Conditions: Output amplitude $\pm 4V$, reference 1kHz	
Gain setting	Fixed: $\times 1$, $\times 10$, $\times 20$, $\times 50$	Fixed: $\times 1$, $\times 2$, $\times 5$, „ $\times 10$	
	Variable: $\times 1$ (CAL) to $\times 3$, consecutive The set gain equals to (Fixed \times Variable).	Variable: $\times 1$ (CAL) to $\times 3$, consecutive The set gain equals to (Fixed \times Variable).	

Slew rate	500V/ μ s	6000V/ μ s
Output DC offset	Adjustment range: \pm 0.5V or more (input terminal short circuit)	
Output DC bias	\pm 200V or more Allows turning on/off by the front panel - switch.	
Output impedance	0.5 Ω + 1.5 μ H or less (typ.)	3.3 Ω + 0.01 μ H or less (typ.)
Output terminal	BNC connector (front panel), Lo side grounded to the cabinet	
Monitor output	1/100 of output voltage, in-phase	-
Monitor meter	Displays output voltage or current (toggled with the switch) -	
Output on/off	Front panel switch or external control input	

■ Input

	BA4825	BA4850
Maximum input voltage	\pm 10V	
Number of terminals	2 (A input: Front panel, B input: Rear panel) (Input type may be A input, B input, or both A input and B input.)	1 (Front Panel)
Input terminals	BNC connector, Lo side grounded to the cabinet	
Input impedance	5 Ω and 10k Ω , switchable	50 Ω

■ Miscellaneous

	BA4825	BA4850
Protection function	Output overcurrent, output overvoltage, power section failure, abnormal internal temperature	
External control input/output	2 (A input: Front panel, B input: Rear panel) (Input type may be A input, B input, or both A input and B input.)	
Settings at power-on	Settings power-on made by dip switches on the rear panel (10 settings for BA4825, or 4 settings for BA4850)	
Power input	AC100V to 230V \pm 10% (at 250V or less), 50Hz/60Hz \pm 2Hz	
Power consumption	350VA or less	200VA or less
Operating temperature and humidity	0 to +40°C, 5 to 85%RH (Absolute humidity 1 to 25g/m ³ , no condensation)	
Dimensions (mm)	258(W) \times 132.5(H) \times 390(D) (not including protrusions)	
Weight	Approx.7kg	