

## SDA Series Power Amplifier Specification

TITLE		Specification				
Product Model:		SDA400	SDA600	SDA800	SDA1000	SDA1200
Rack mounting (high)		2U	2U	2U	2U	2U
Rated Power	8ohm stereo	2x400 W	2x600W	2x800W	2x1000W	2x1200W
(1KHz, THD+N=0.1%)	4ohm stereo	2x600 W	2x900 W	2x1200 W	2x1500 W	2x1800 W
	2ohm stereo	2x800 W	2x1200 W	2x1500 W	2x1900 W	2x2200 W
Mono Bridge	8ohm bridge	1200 W	1800 W	2400 W	3000W	3600W
	4ohm bridge	1500W	2400W	3000W	3800 W	4500 W
Protection	DC protect.Current inrush protect、 turn-on/off transient, Short circuit protect、 High temperature protect					
Protection	Soft startup protect、 Input over load protect (Limiter) .Output over load protect.ultrasonic input. ACL.IGM.					
<b>Crossover</b>	By Pass	20 Hz-22 KHz (-3 dB)				
	High/Low Pass	High Pass:50 Hz-22 KHz , Low Pass:20 Hz-120 Hz				
Controls	Front Panel	Power switch,Ch1.Ch2 Volume Knob,Led Indicators.				
	Rear Panel	Crossover switch , sensitivity switch, operation mode switch.				
LED indicators		Protection-Red.Clip-Yellow. Several Signal Led-Green,Active-Green.Power on-Green				
<b>System Performance Section</b>						
Frequency response	1W 8ohm stereo	20 Hz-20 KHz (±0.5dB)				
Sensitivity	8ohm stereo&1KHz	0.775V、 1.0V、 1.44V (± 5%)				
Mode switch		Stereo、 Bridge、 Parallel				
Cooling system	front-to-back air flow	four efficient fans with variable speed				
Connectors	Input / Link connectors	Female XLR & Jack				
(Each channel)	Output connectors	Speakon & Binding posts				
Input impedance(ohm)	Balanced/Unbalanced	20K ohm , 10K ohm				
Input CMRR (1kHz)		> -65dB				
Hum and Noise		> -105dB				
Crosstalk	20Hz~20KHz at8ohm	≥65dB				
S/N ratio	8 Ω Rated Power	≥100dB				
Phase response	1W&8ohm 20Hz~20KHz	within ±10°				
Slew rate		≥40 V/us				
Intermodulation distortion		≤0.10%				
Total harmonic distortion	8 Ω 20Hz~20KHz	≤0.05%				
Power supply	US & Canada /Europe /Asia	110V/60Hz, 230V/50Hz, 220V/50Hz.( factory configured )				
Damping factor	1KHz&8ohm	≥400	≥500	≥550	≥600	≥600
Output Circuitry	TOSHIBA Transistor	Class AB	Class AB& H	Class H	Class H	Class H
<b>Dimension and shipping section</b>						
Dimension (W×D×H)	Chassis /mm	2U: 483x450x88mm			2U: 483x450x88mm	
Packing dimension	Unit /mm	590x590x140 mm			590x590x140 mm	
Net Weight (kg)		18	20	24	26	27.5
Gross Weight (kg)		21	23	27	29	31

As make changes of improvements, ACLON reserves the right to change specifications without notice. ( Ver.1.2)



SDA600 front



SDA600 inside



SDA rear view

#### KEY FEATURES:

- > Adopt SMT technology
- > One -year warranty .it is design provides economical access to the premium sound quality and reliability.

#### APPLICATIONS:

It is middle class amplifier designed for Professional wide-bandwidth output devices and low-end response make for installations and touring applications that demand the best audio quality. It aims at real professional sound market, with good quality-price ratio. Inside crossover,by pass for full range, low-pass for pure super bass while you need, and hi-pass for pure satellite.

It is a good choice for the project which has a tight budget.can be used for large performance, big disco, nightclub, stadium, cinema Now it has enjoyed good market all over the world, especially in USA, European & Asia, such as Germany, France, Belgium,Spain .

- . Professional performance, mid stadium, opera house, disco etc.
- . Outdoor applications and Theater places expand sound systems.
- . The night club,KTV. shake slow bar etc. sound reinforcement systems.
- . Professional Audio & video presentations sound systems.
- . Fixed Installations system and Live sound reinforcement.