# KA7, KA7-7

A high technology Class D power amplifier line

### **DATASHEET**

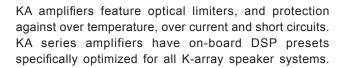
#### Features:

- Very light weight
- Compact design, 2 rack units per 4 channels
- Optical limiters
- Electronically protected
- Over-high efficiency
- DSP on-board to drive all K-array products
- Remote control (KA10, KA10-10, KA40)
- Management software (KA10, KA10-10, KA40)
- Top quality components for outstanding performance Aluminum frame

## Applications:

- Theatrical sound reinforcement
- · Concert halls, clubs, houses of worship
- · Exhibit audio for museum displays
- Cinema and installed AV systems
- · Stage monitoring







The K-array KA line of power amplifiers are built into a 2U, half-rack, light weight aluminum chassis. Each model is comprised of two or four output channels providing up to eight channels in a standard 2U rack space when mounted together.

	KA7	KA7-7
	Output power	
Max power $4\Omega$	2 x 350 w <sup>(EIAJ)</sup>	4 x 350 w <sup>(EIAJ)</sup>
Max power 8Ω	2 x 190 w (EIAJ)	4 x 190 w (EIAJ)
Max power - bridged $4\Omega$	1000 w <sup>(EIAJ)</sup>	
Max power - bridged $8\Omega$	700 w <sup>(EIAJ)</sup>	
Connectors	2 x 4-pin Speakon	2 x 4-pin Speakon
Speakon 1 wiring	pin 1+,1- = CH1 pin 2+, 2- = CH2	pin 1+,1- = CH1 pin 2+, 2- = CH3
Speakon 2 wiring	pin 1+,1- = CH2 pin 2+, 2- = N.C.	pin 1+,1- = CH2 pin 2+, 2- = CH4
	Audio specs	
Slew rate 8Ω	30V/μS	30V/μS
S/N Ratio	>113 dB/A	>113 dB/A
Distorsion (THD, DIM, SMPTE)	<0.005%	<0.005%
Input impedance	20K bal. 10K unbal.	20K bal. 10K unbal.
Gain	Variable	Variable
Output	Unbalanced to ground	Unbalanced to ground
Bandwidth	3 Hz - 45 KHz	3 Hz - 45 KHz
Damping factor 8Ω (100 Hz)	>1000	>1000
	Protection	
Thermal protection	Yes	Yes
Short circuit / over-load	Yes	Yes
Clip limit, Analog signal limit	Yes	Yes
	Audio Input	
Connectors	2 x Male + 2 x Female 3-pin bal .XLR	2 x Male + 2 x Female 3-pin bal .XLR
Wiring	Pin1 = Ground / Pin2 = hot (+) / Pin3 = cold (-)	Pin1 = Ground / Pin2 = hot (+) / Pin3 = cold (-)
	Power Input	
Connectors	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT
	AC power	
Operating range	90 - 260 Vac 50-60Hz with PFC (auto range)	90 - 260 Vac 50-60Hz with PFC (auto range)
P. nom	140 VA	140 VA
Max input voltage	265 Vac	265 Vac
Power factory (1/2 max out/ $8\Omega$ )	0.97	0.97
Minimum operation voltage	70 Vac	70 Vac
	Physical	
Dimensions	20 (1/2 U rack) x 8.8 (2U rack) x 27 cm (7.87"x 3.46"x 10.63")	20 (1/2 U rack) x 8.8 (2U rack) x 27 cm (7.87"x 3.46"x 10.63")
Weight	5 Kg (11.02 lbs)	5.5 Kg (12.13 lbs)
	Notes for data  New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this brochure	