KKKKA800.8

8x100 Watt Class D Full Range Amplifier; RoHS Compliant

Specifications

Electrical Parameters			
Power (@14.4V, <1%THD+N)	4Ω Stereo	50W x 8	
Power (@14.4V, <1%THD+N)	2Ω Stereo	100W x 8	
Power (@14.4V, <1%THD+N)	4Ω Bridged	200W x 4	
Dynamic Power (@14.4V, <10%THD+N)	4Ω Bridged	1200W	
Lowest Rated Impedance		2Ω Stereo / 4Ω Bridged	
Signal to Noise Ratio (CEA)	1W	>-75dB	
Signal to Noise Ratio	Rated Power	>-95dB	
Channel Seperation (Rated Power)	1000Hz	>55dB	
CMRR	1000Hz	-40dB	
Input Impedance		>20kΩ	
Frequency Response		10Hz - 20kHz	
Variable HiPass Filter (Amp 1 & 2)	24dB / Octave BW	10Hz - 5kHz (10X Switch)	
Variable LoPass Filter (Amp 1 & 2)	24dB / Octave BW	10Hz - 5kHz (10X Switch)	
Variable HiPass Filter (Amp 3 & 4)	24dB / Octave BW	10Hz - 500Hz	
Variable LoPass Filter (Amp 3 & 4)	24dB / Octave BW	40Hz - 5kHz (10X Switch)	
Variable BandPass Filter (Amp 3 & 4)	24dB / Octave BW	10Hz - 5kHz (10X Switch)	
KickEQ™ Variable Bass Boost	40Hz	0dB - 6dB	
Standby Current (Remote Off)	<2mA		
Idle Current (Remote On)	<3A		
Current Draw (Rated Power)	<120A		
Low Level Input Sensitivity	125mV - 5V		
High Level Input Sensitivity	250mV - 10V		
Under Voltage Protection	10V (warning at 10.5V)		
Over Voltage Protection	16V		
What's in the box?			

48KXMA800.8

KXMA800.8 Customer Information Card

KICKER[®] Power Chart

Birth Certificate

Hardware Pack - 3mm hex key, stainless steel mounting hardware, & RCA covers

Physical Materials

Heat Sink	UV Treated Anodized Extruded Aluminum
End Caps	Painted Injection Molded ABS Plastic
Bottom Panel	Powdercoated Aluminum



Features

KICKER Real Marine[™] Designed for Marine Environments

- Conformal Coated Printed Circuit Board
- ABYC/NMMA-Compliant Power Terminals
- UV Treated Aluminum Chassis
- LED Illuminated Gain Knobs with Clip Indicator
- KickEQ[™] Bass Boost for Additional Low Frequencies
- FIT™ Differential Inputs Near Universal Compatibility with Source Units

Unit Dimensions



A - Overall Length	14-3/4"	374.0mm
A-1 - Mounting Holes Location - Length	13-19/32"	345.5mm
B - Chassis Width	7-7/16"	189.0mm
B-1 - Speaker Terminals Length	31/32"	24.7mm
B-2 - Overall Width	8-5/16"	210.0mm
C - Overall Height	2-1/8"	55.0mm
D - Mounting Holes Location - Width	6-5/32"	156.0mm
E - Maximum Fastener Head Diameter	13/32"	10.5mm
F - Mounting Through Hole Diameter	1/4"	6.0mm

Technical Graph Data

AMP1 AMP2 AMP3 AMP4 - THD+N vs. Power (W) @14.4VDC

THD+N Ratio (%) vs. Power (W)

AMP1 AMP2 AMP3 AMP4 - Power Bandwidth (4 Ω) @14.4VDC



AMP1 and AMP2 - FFT



AMP1 and AMP2 Crossover Frequency Response



AMP1 and AMP2 Crossover Frequency Response

AMP3 and AMP4 Crossover Frequency Response



AMP3 and AMP4 Crossover Frequency Response

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