



48KXMA500.4

4x125 Watt Class D Full Range Amplifier; RoHS Compliant

## Specifications

### Electrical Parameters

Power (@14.4V, <1%THD+N)	<b>4Ω Stereo</b>	75W x 4
Power (@14.4V, <1%THD+N)	<b>2Ω Stereo</b>	125W x 4
Power (@14.4V, <1%THD+N)	<b>4Ω Bridged</b>	250W x 2
Dynamic Power (@14.4V, <10%THD+N)	<b>4Ω Bridged</b>	700W
Lowest Rated Impedance		2Ω Stereo / 4Ω Bridged
Signal to Noise Ratio (CEA)	<b>1W</b>	>-75dB
Signal to Noise Ratio	<b>Rated Power</b>	>-95dB
Channel Separation (Rated Power)	<b>1000Hz</b>	>55dB
CMRR	<b>1000Hz</b>	-40dB
Input Impedance		>20kΩ
Frequency Response		10Hz - 20kHz
Variable HiPass Filter (Amp 1)	<b>24dB / Octave BW</b>	10Hz - 5kHz (10X Switch)
Variable LoPass Filter (Amp 1)	<b>24dB / Octave BW</b>	10Hz - 5kHz (10X Switch)
Variable HiPass Filter (Amp 2)	<b>24dB / Octave BW</b>	10Hz - 500Hz
Variable LoPass Filter (Amp 2)	<b>24dB / Octave BW</b>	40Hz - 5kHz (10X Switch)
Variable BandPass Filter (Amp 2)	<b>24dB / Octave BW</b>	10Hz - 5kHz (10X Switch)
KickEQ™ Variable Bass Boost (Amp 2)	<b>40Hz</b>	0dB - 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<60A
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?

48KXMA500.4
KXMA Stereo Customer Information Card
KICKER® Power Chart
Birth Certificate
Hardware Pack - 3mm hex key, stainless steel mounting hardware, & RCA covers

### Physical Materials

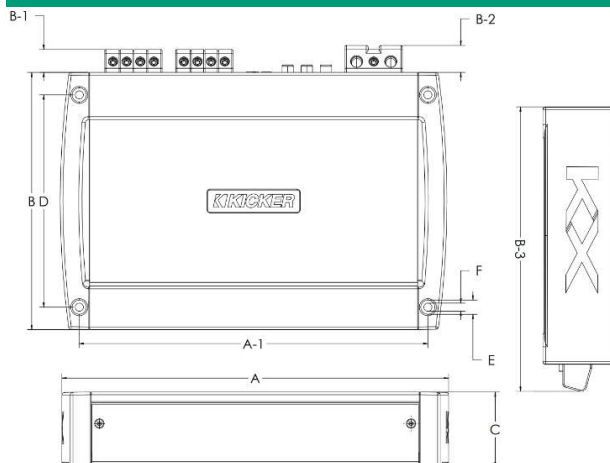
<b>Heat Sink</b>	UV Treated Anodized Extruded Aluminum
<b>End Caps</b>	Painted Injection Molded ABS Plastic
<b>Bottom Panel</b>	Powdercoated Aluminum



### Features

- KICKER Real Marine™ Designed for Marine Environments
- Conformal Coated Printed Circuit Board to Resist Moisture
- ABYC/NMMA-Compliant Power Terminals
- UV Treated Aluminum Chassis
- LED Illuminated Gain Knobs with Clip Indicator
- KickEQ™ Bass Boost for Additional Low Frequencies (Amp 2 only)
- FIT™ Differential Inputs - Near Universal Compatibility with Source Units

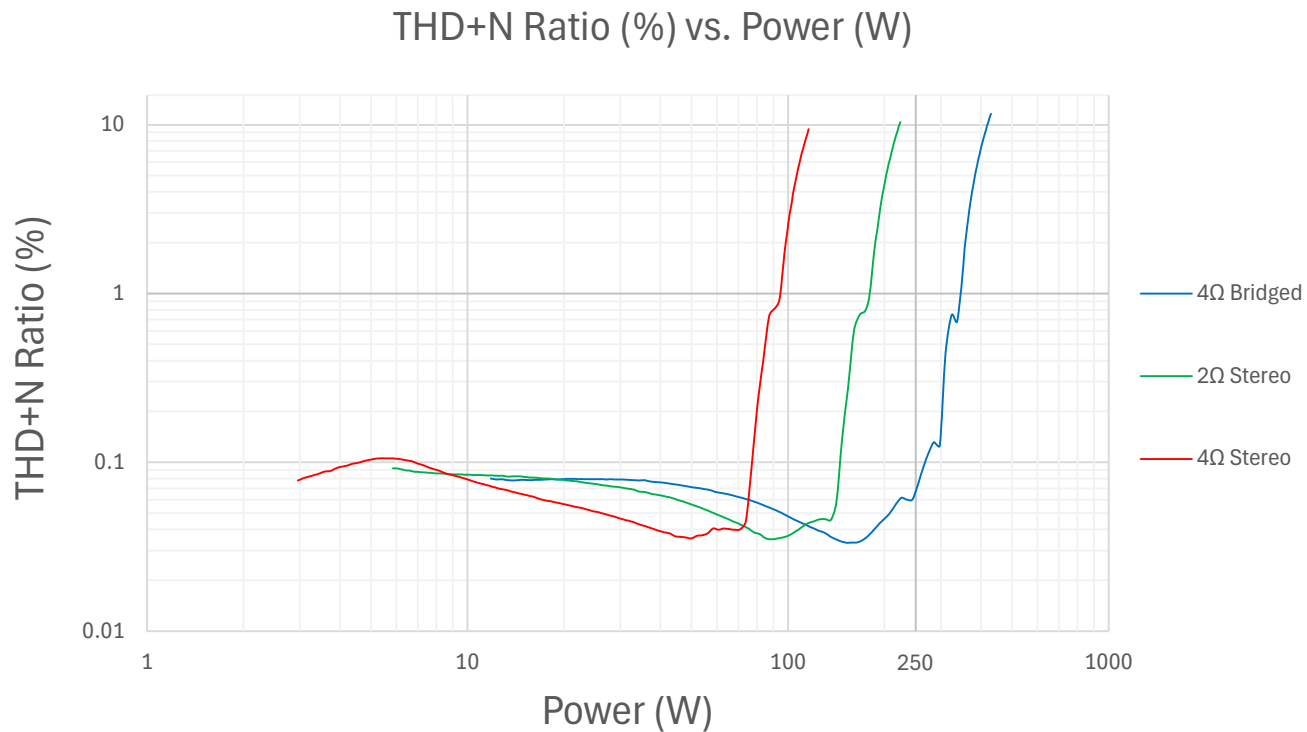
### Unit Dimensions



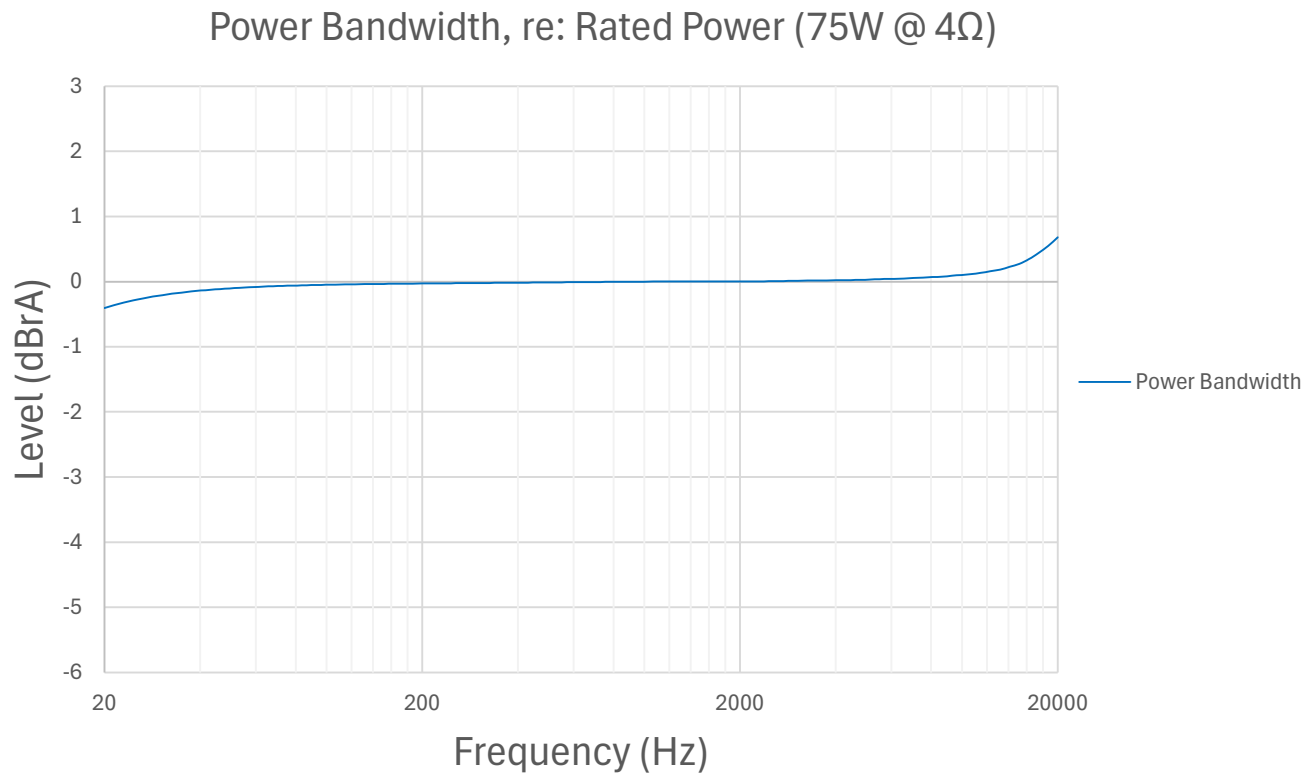
A - Overall Length	<b>11-3/16"</b>	<b>284.0mm</b>
A-1 - Mounting Holes Location - Length	<b>10-1/16"</b>	<b>255.5mm</b>
B - Chassis Width	<b>7-7/16"</b>	<b>189.0mm</b>
B-1 - Speaker Terminals Length	<b>21/32"</b>	<b>16.9mm</b>
B-2 - Power Terminals Length	<b>25/32"</b>	<b>19.8mm</b>
B-3 - Overall Width	<b>8-5/16"</b>	<b>210.0mm</b>
C - Overall Height	<b>2-1/8"</b>	<b>55.0mm</b>
D - Mounting Holes Location - Width	<b>6-5/32"</b>	<b>156.0mm</b>
E - Maximum Fastener Head Diameter	<b>13/32"</b>	<b>10.5mm</b>
F - Mounting Through Hole Diameter	<b>1/4"</b>	<b>6.0mm</b>

Technical Graph Data

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

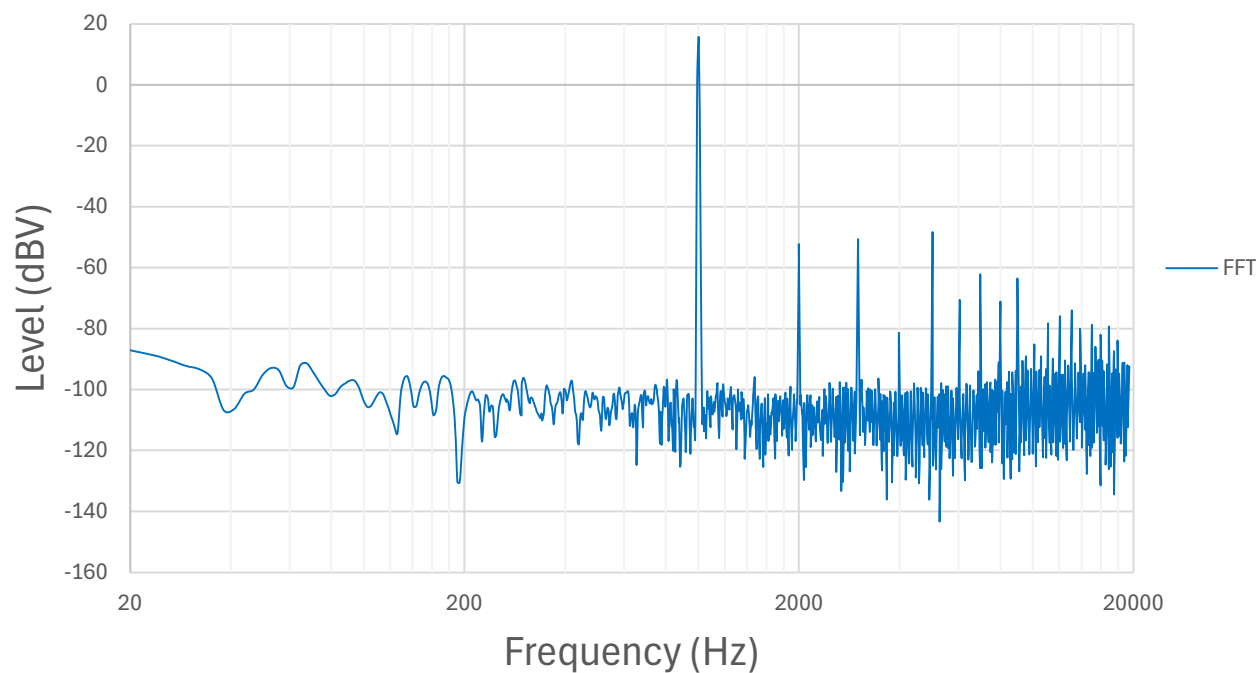


AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC



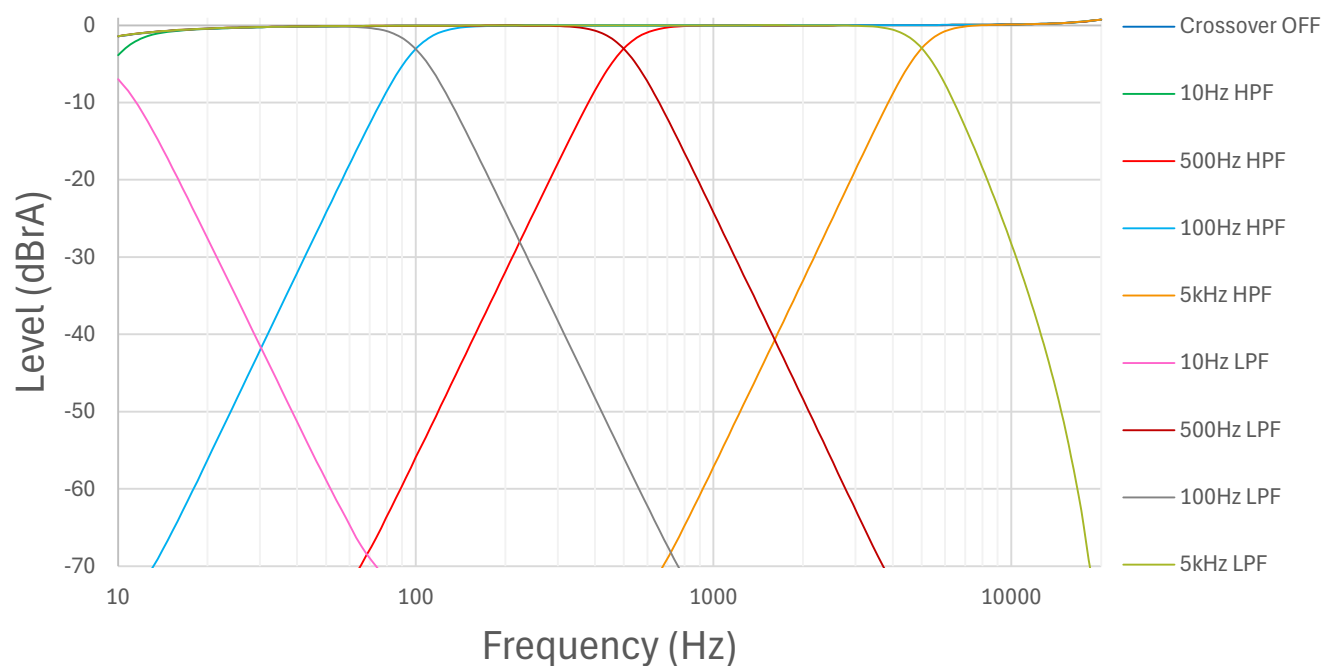
## AMP1 and AMP2 - FFT

FFT (1kHz Signal)

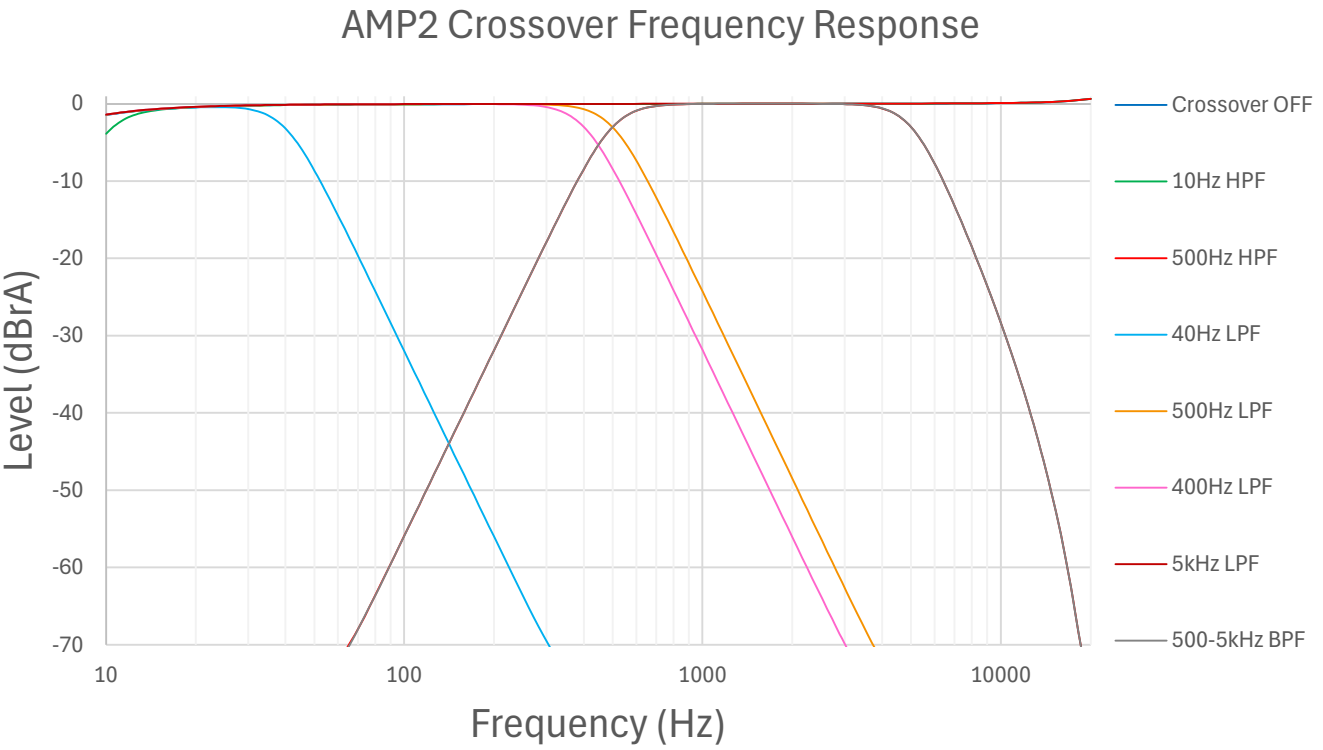


## AMP1 Crossover Frequency Response

AMP1 Crossover Frequency Response



# AMP2 Crossover Frequency Response



# KickEQ™

