

# KICKER®

48KMA600.6

6x100w 6-Ch Weather-Resistant Full-Range Amp; RoHS Compliant

## Specifications

### Electrical Parameters

Power (@14.4V, <1%THD+N)	<b>4Ω Stereo</b>	50W x 6
Power (@14.4V, <1%THD+N)	<b>2Ω Stereo</b>	100W x 6
Power (@14.4V, <1%THD+N)	<b>4Ω Bridged</b>	200W x 3
Dynamic Power (@14.4V, <10%THD+N)	<b>4Ω Bridged</b>	750W
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 (Amp 1, 2 & 3)		10Hz - 20kHz
Variable HiPass Filter (Amp 1 & 2)	<b>12dB / Octave BW</b>	OFF - 200Hz
Variable HiPass Filter (Amp 3)	<b>12dB / Octave BW</b>	50Hz - 200Hz
Variable LoPass Filter (Amp 3)	<b>12dB / Octave BW</b>	50Hz - 200Hz
Fixed Subsonic Filter (Amp 3 LP only)	<b>24dB / Octave BW</b>	25Hz
KickEQ™ Variable Bass Boost (Amp 3)	<b>40Hz</b>	0dB - 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<80A
Low Level Input Sensitivity		125mV - 5V
High Level Input Sensitivity		250mV - 10V
Under Voltage Protection		10V
Over Voltage Protection		16V

### What's in the box?

48KMA600.6
KICKER® Power Chart
Birth Certificate
KMA Multichannel Customer Information Card
Hardware Pack - 3mm Hex Key, and Stainless-Steel Mounting Hardware

### Physical Materials

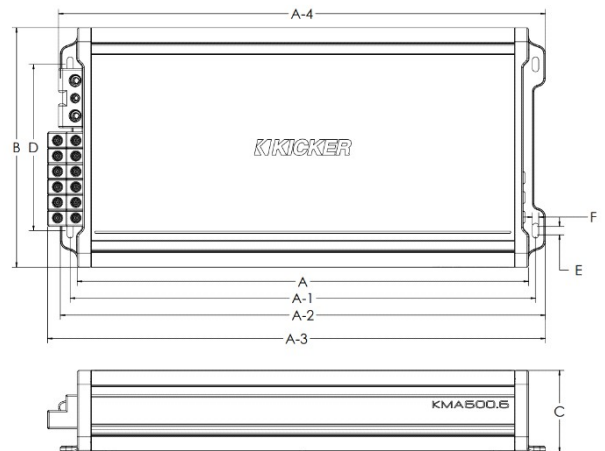
<b>Heat Sink</b>	UV Treated Anodized Extruded Aluminum
<b>End Plate</b>	Powder Coated Stamped Aluminum
<b>End Plate Trim</b>	Painted Injection Molded ABS Plastic
<b>Bottom Plate</b>	Powder Coated Stamped Aluminum



### Features

- KICKER Real Marine™ Designed for Marine Environments
- Variable Active Crossover for Ideal Speaker Matching
- KickEQ™ Bass Boost for Additional Low Frequencies
- Conformal Coated Printed Circuit Board
- UV Treated Aluminum Chassis
- ABYC/NMMA - Compliant Power Terminals

### Unit Dimensions

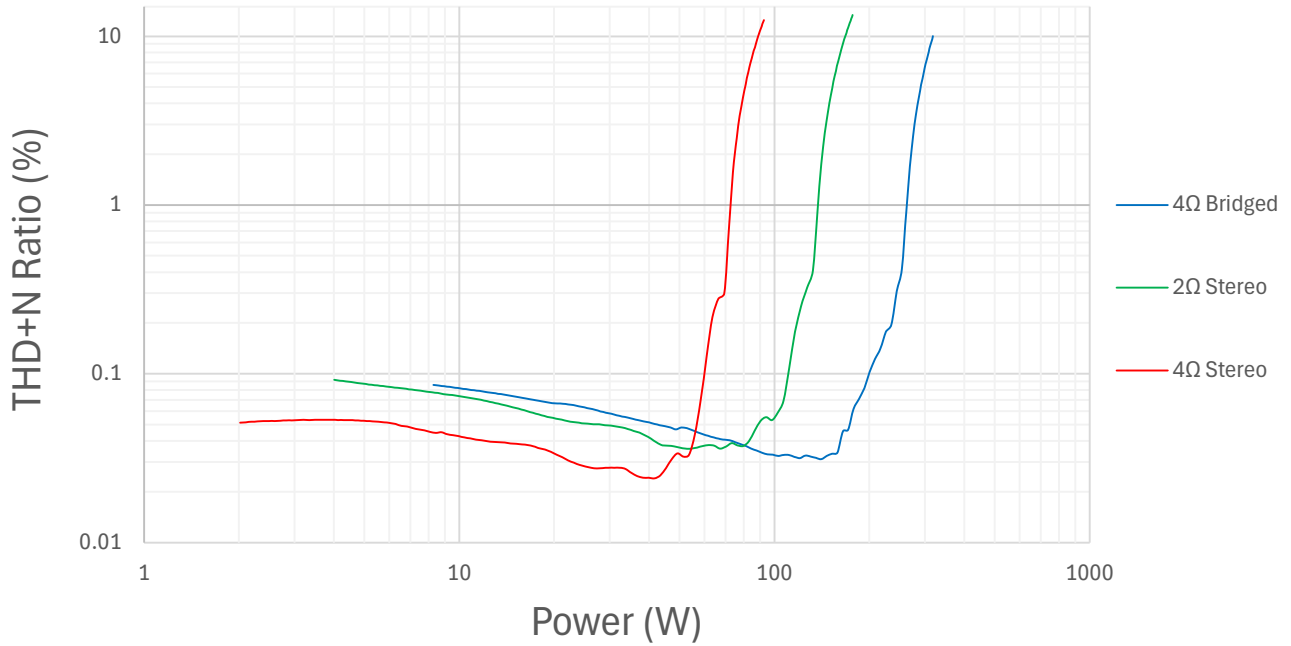


A - Chassis Length	<b>12-19/32"</b>	<b>320.0mm</b>
A-1 - Mounting Holes Location - Length	<b>13"</b>	<b>330.0mm</b>
A-2 - Overall Length	<b>13-17/32"</b>	<b>344.0mm</b>
A-3 - Overall Length with Speaker Terminals	<b>13-29/32"</b>	<b>353.0mm</b>
A-4 - Overall Length with Power Terminals	<b>13-19/32"</b>	<b>345.3mm</b>
B - Overall Width	<b>6-11/16"</b>	<b>170mm</b>
C - Overall Height	<b>2-9/32"</b>	<b>58.0mm</b>
D - Mounting Holes Location - Width	<b>4-21/32"</b>	<b>118.0mm</b>
E - Mounting Holes Diameter	<b>1/4"</b>	<b>6.0mm</b>
F - Mounting Holes Width	<b>3/16"</b>	<b>4.5mm</b>

# Technical Graph Data

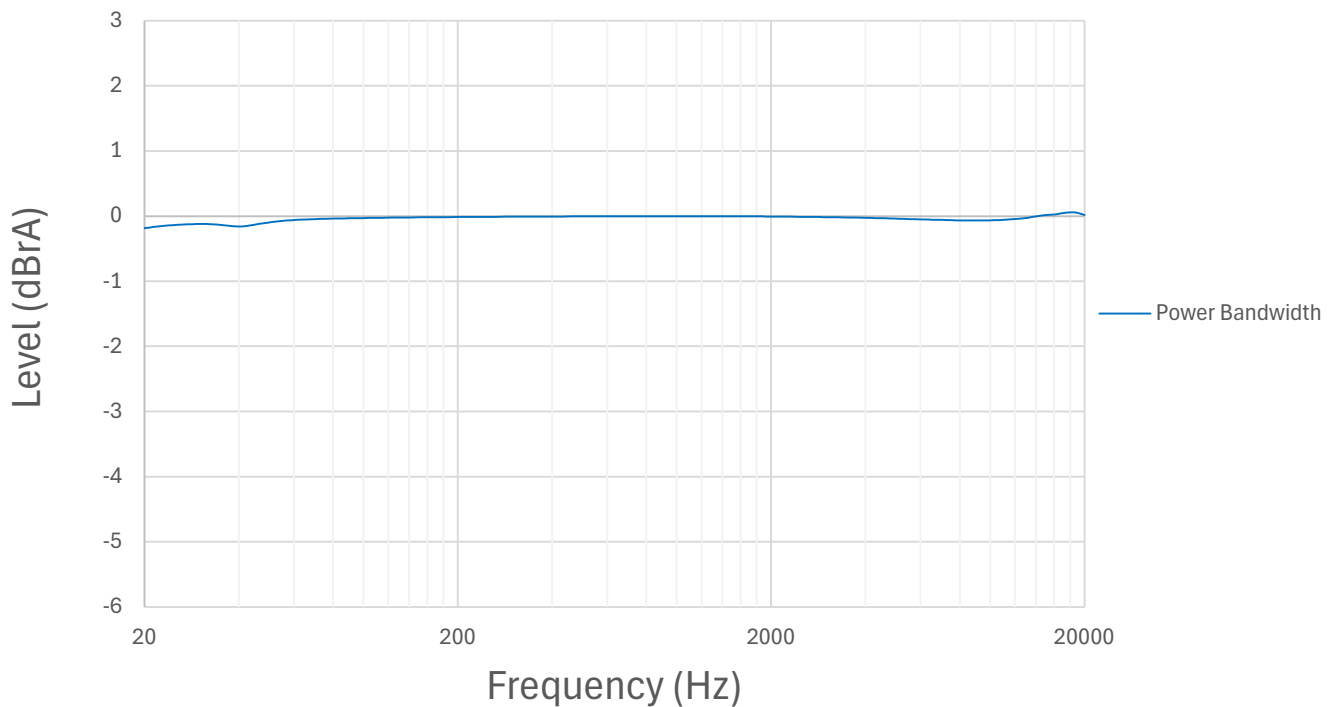
## AMP1 AMP2 AMP3 - THD+N vs. Power (W) @14.4VDC

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



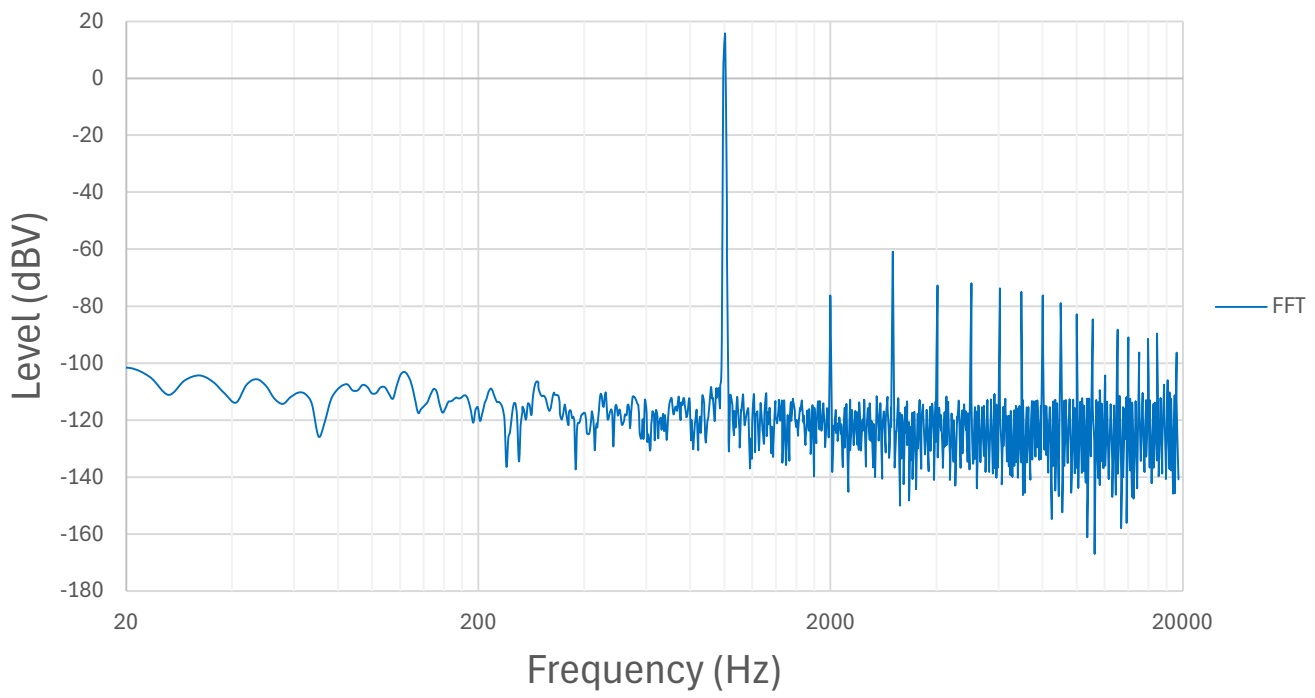
## AMP1 AMP2 AMP3 - Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (50W @ 4Ω)



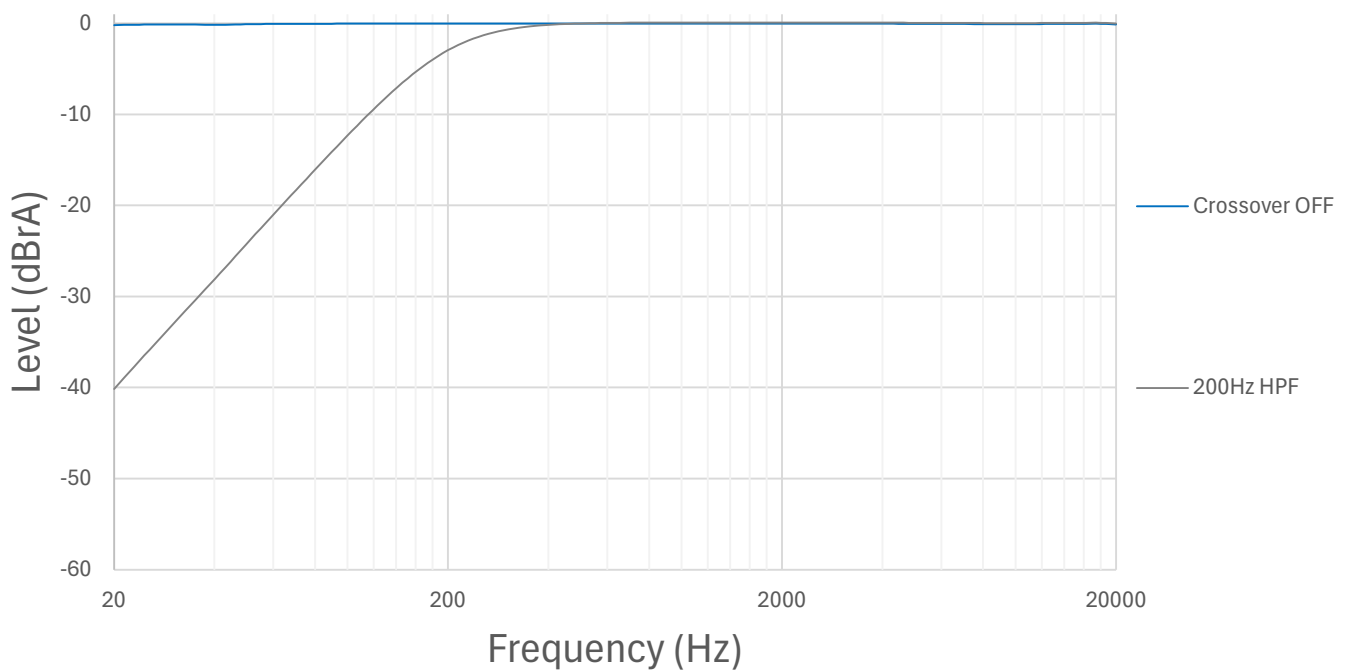
# AMP1 AMP2 AMP3 - FFT

FFT (1kHz Signal)



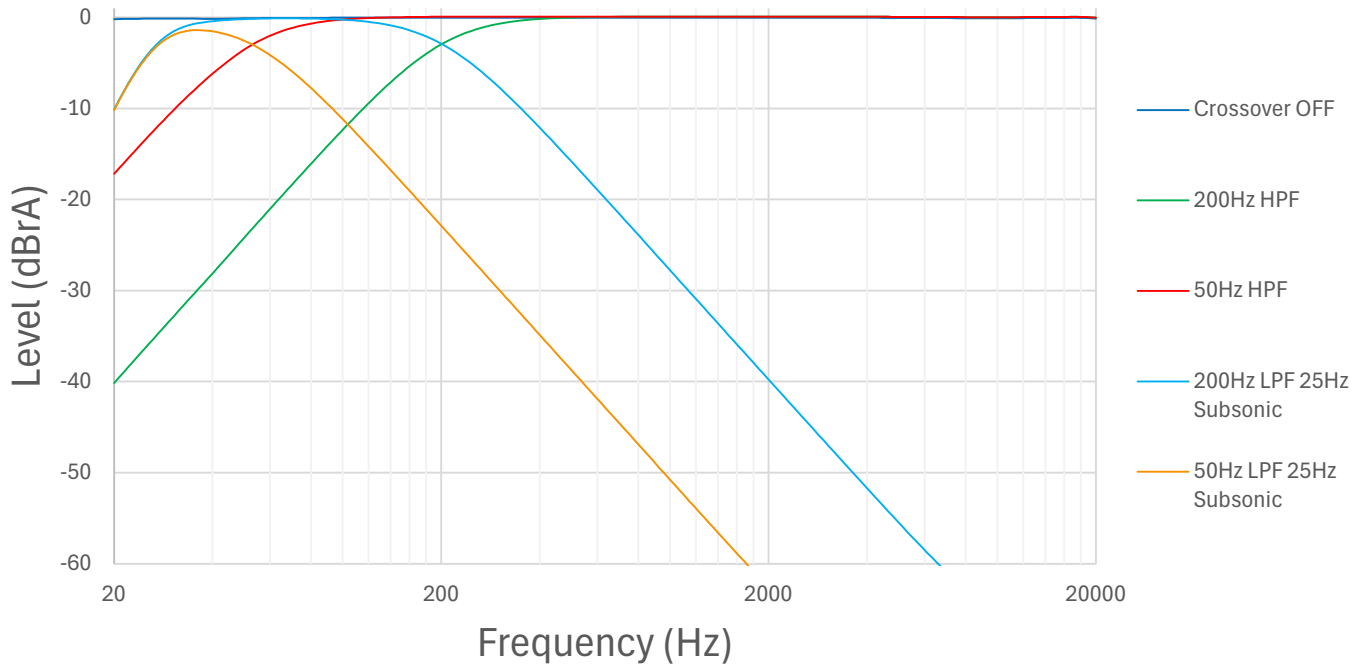
# AMP1 and AMP2 Crossover Frequency Response

AMP1 and AMP2 Crossover Frequency Response



# AMP3 Crossover Frequency Response

## AMP3 Crossover Frequency Response



# KickeEQ™

## KickeEQ™

