

# KICKER®

51KXMA1500.1

1500 Watt Class D Mono Amplifier, RoHS Compliant

## Specifications

### Electrical Parameters

Power (@14.4V, <1%THD+N)	<b>4Ω</b>	750W x 1
Power (@14.4V, <1%THD+N)	<b>2Ω</b>	1500W x 1
Power (@14.4V, <1%THD+N)	<b>1Ω</b>	>1500W x 1
Dynamic Power (@14.4V, <10%THD+N)	<b>1Ω</b>	2500W
Lowest Rated Impedance		1Ω
Signal to Noise Ratio (CEA)	<b>1W</b>	>-75dB
Signal to Noise Ratio	<b>Rated Power</b>	>-95dB
CMRR	<b>50Hz</b>	-40dB
Input Impedance		>20kΩ
Frequency Response		10Hz - 160Hz
Variable LoPass Filter	<b>24dB / Octave BW</b>	40Hz - 160Hz
Variable Subsonic Filter	<b>24dB / Octave BW</b>	10Hz - 80Hz
KickEQ+™ Variable Bass Boost		0dB - +6dB
KickEQ+™ Variable Center Frequency		20Hz - 80Hz
KickEQ+™ Variable Bandwidth		1 - 5
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<150A
Remote Gain Attenuation		-26dB - 0dB
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?

51KXMA1500.1

KMBLC Remote Level Control - 19.75ft RJ11 cable included

KXMA1500.1 Customer Information Card

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

### Physical Materials

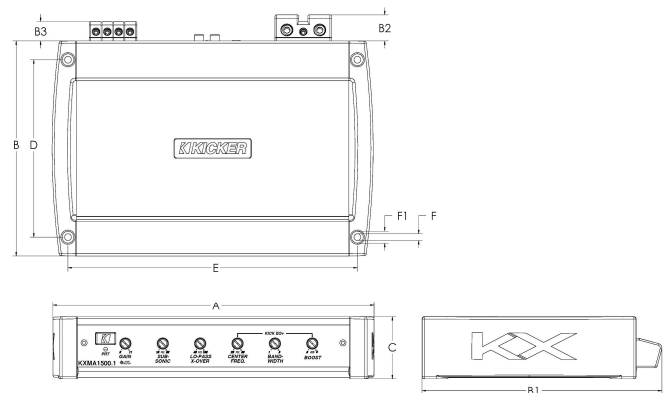
Heat Sink	UV Treated Anodized Extruded Aluminum
End Caps	Painted Injection Molded ABS Plastic
Bottom Panel	Powdercoated Aluminum
KMBLC	Painted Injection Molded ABS Plastic



### Features

- KICKER Real Marine™ Designed for Marine Environments
- Conformal coated printed circuit board
- ABYC/NNMA - compliant power terminals
- UV Treated Aluminum Chassis
- Gain matching LED illuminated gain knob
- KickEQ+™ Parametric Bass Boost
- FIT+™ Differential Inputs - near universal compatibility with source units

### Unit Dimensions

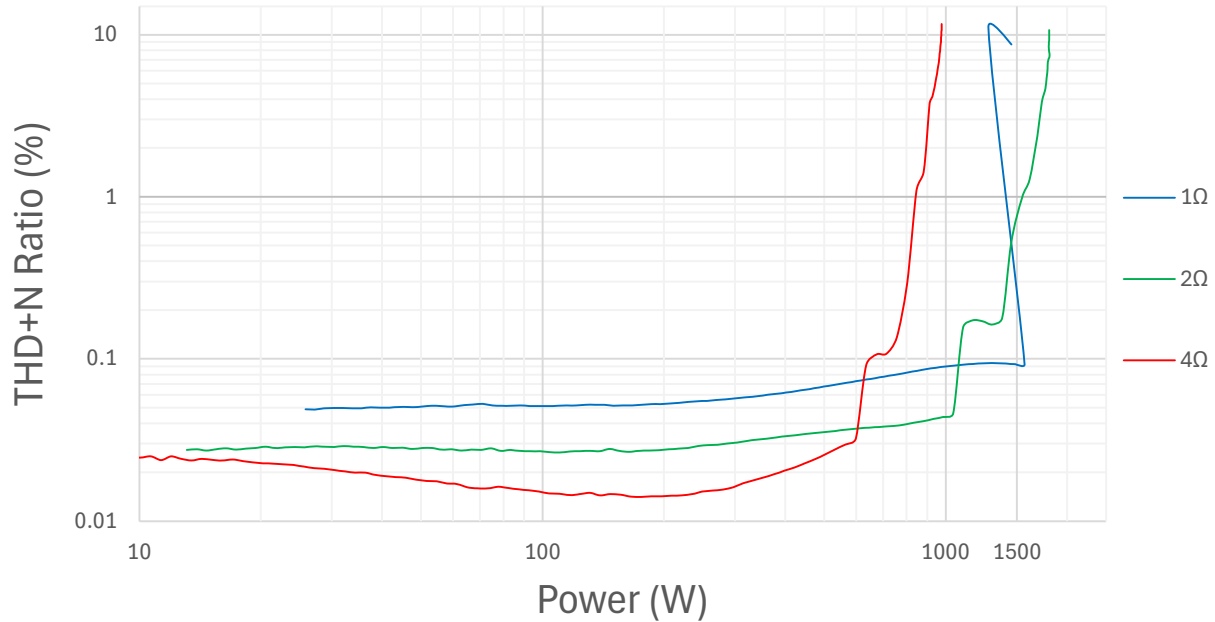


A - Overall Length	<b>11-3/16"</b>	<b>284.0mm</b>
B - Amplifier Width	<b>7-7/16"</b>	<b>189.0mm</b>
B1 - Overall Width	<b>8-5/16"</b>	<b>210.0mm</b>
B2 - Power Terminals Length	<b>7/8"</b>	<b>23.0mm</b>
B3 - Speaker Output Terminals Length	<b>11/16"</b>	<b>17.0mm</b>
C - Overall Height	<b>2-1/8"</b>	<b>55.0mm</b>
D - Mounting Holes Location - Width	<b>6-1/8"</b>	<b>156.0mm</b>
E - Mounting Holes Location - Length	<b>10-1/16"</b>	<b>256.0mm</b>
F - Mounting Through Hole Diameter	<b>1/4"</b>	<b>6.0mm</b>
F1 - Maximum Fastener Head Diameter	<b>7/16"</b>	<b>10.0mm</b>

## Technical Graph Data

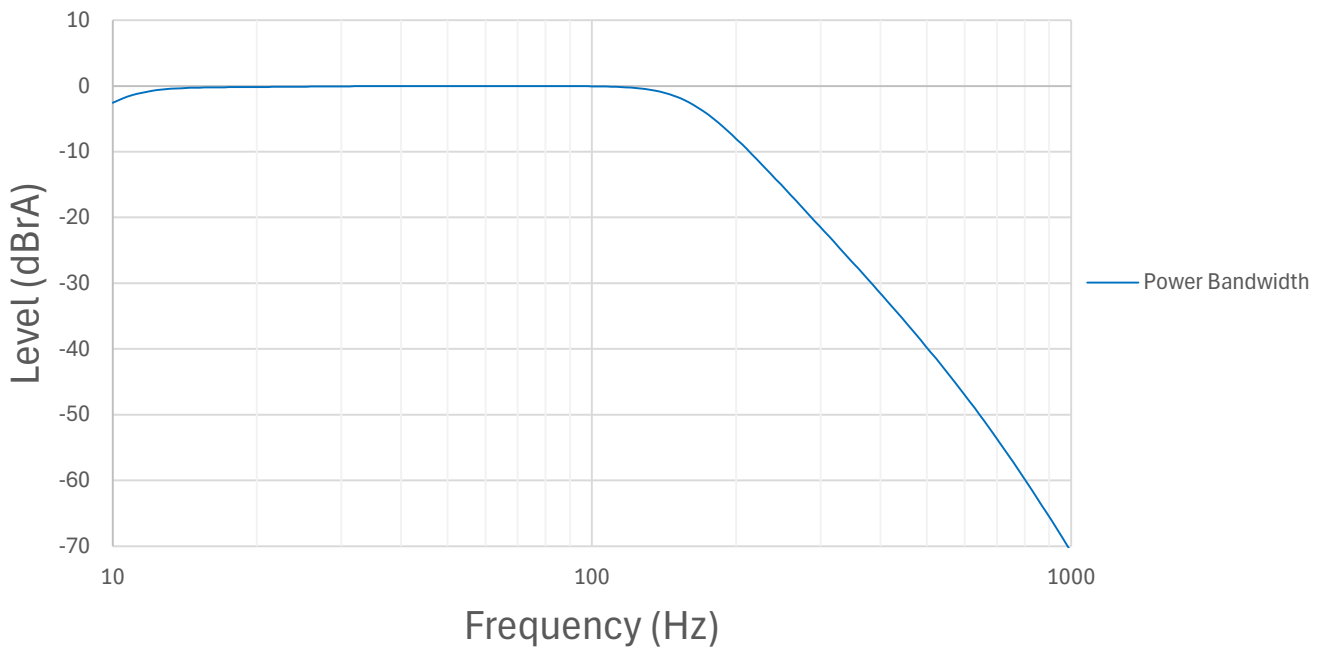
### THD+N vs. Power (W) @14.4VDC

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



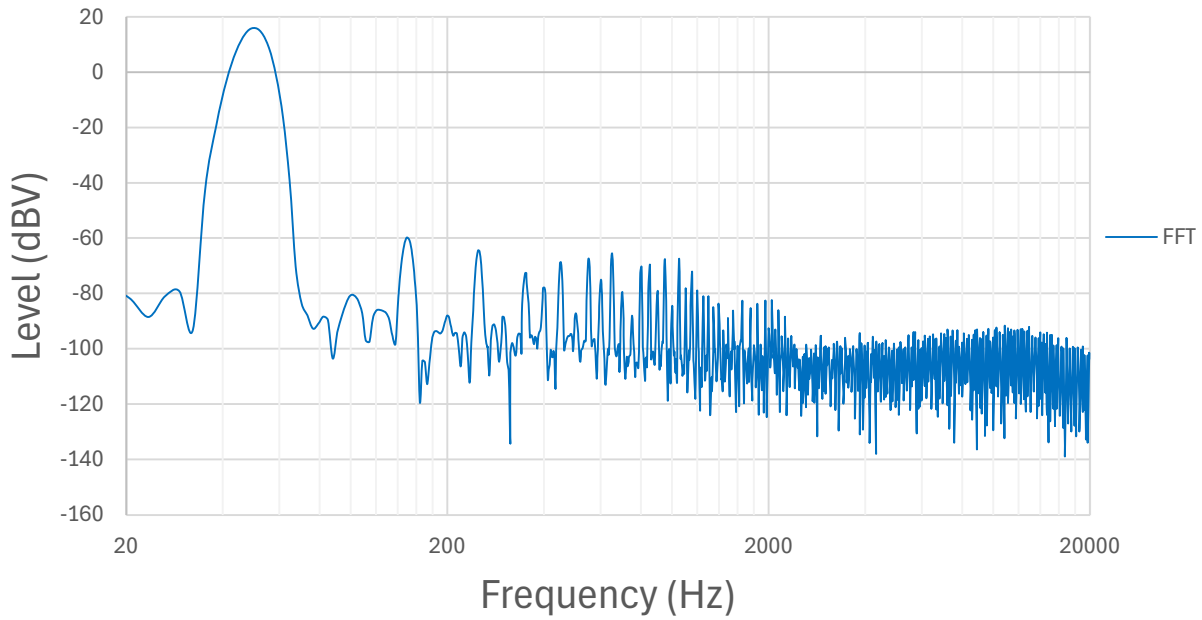
### Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (750W @ 4Ω)



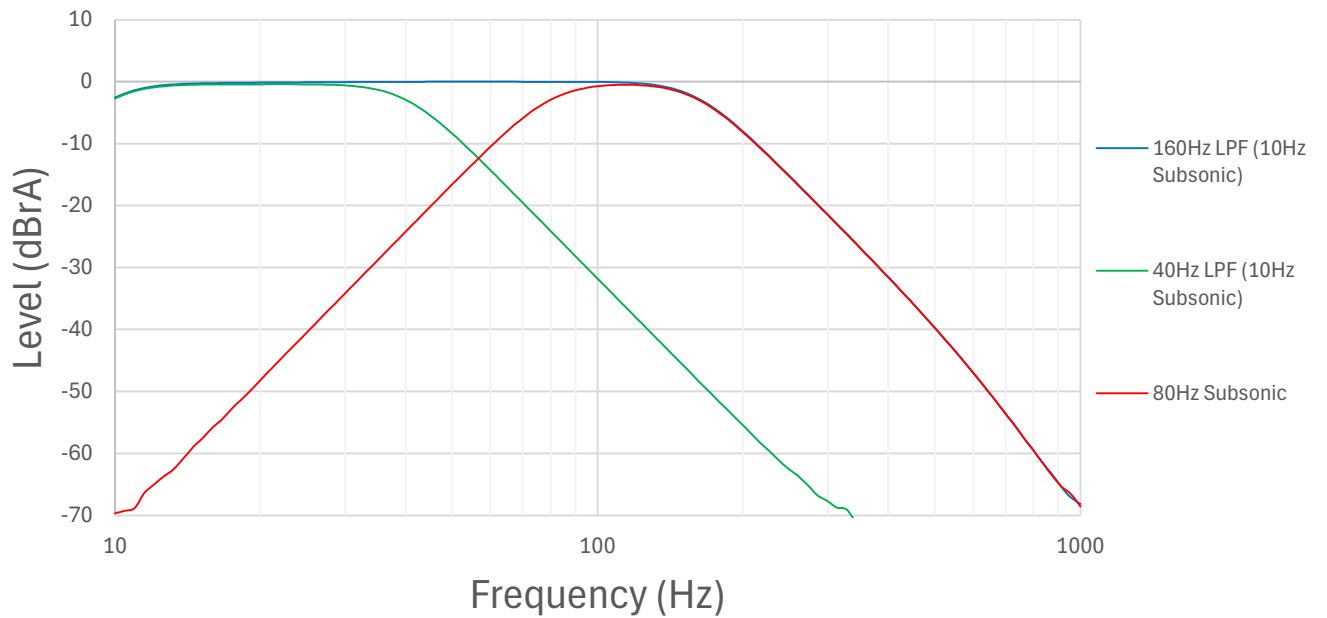
# FFT

## FFT (50Hz Signal)



# Crossover Frequency Response

## Crossover Frequency Response



### KickEQ+™ Boost

