

# KICKER®

48PXA600.1

Waterproof 600 Watt Mono Class-D Sub Amp; RoHS Compliant

## Specifications

### Electrical Parameters

Power (@14.4V, <1%THD+N)	<b>4Ω</b>	300W x 1
Power (@14.4V, <1%THD+N)	<b>2Ω</b>	500W x 1
Power (@14.4V, <1%THD+N)	<b>1Ω</b>	600W x 1
Dynamic Power (@14.4V, <10%THD+N)	<b>1Ω</b>	850W
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		25Hz - 200Hz
Selectable LoPass Filter	<b>12dB / Octave BW</b>	60Hz, 80Hz, 100Hz, 120Hz
Fixed Subsonic Filter	<b>24dB / Octave BW</b>	25Hz
KickEQ™ Selectable Bass Boost	<b>40Hz</b>	0dB, 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<80A
Remote Gain Attenuation		-26dB - 0dB
Low Level Input Sensitivity		125mV - 5V
High Level Input Sensitivity		1V - 40V
Under Voltage Protection		8.5V (warning at 10.5V)
Over Voltage Protection		16V

### What's in the box?

48PXA600.1

Mono PXA Customer Information Card

Stainless Steel Mounting Hardware

2 DC Power Wire Couplers

### Physical Materials

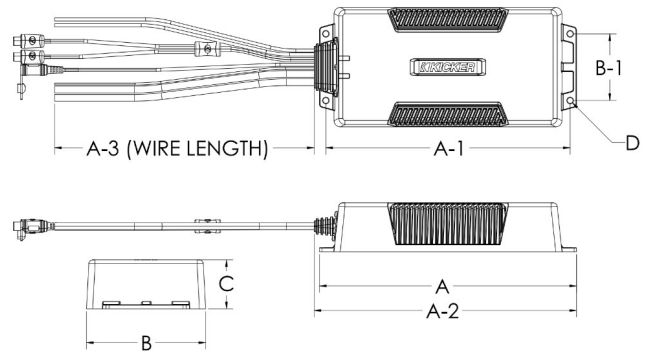
Heat Sink	Powder Coated Die Cast Aluminum
Bottom Panel	Anodized Stamped Aluminum
Signal Wire Pigtail	Twisted Pair Conductor RCA
Power Wire Pigtail	8AWG OFC Power and Ground/16AWG OFC Remote
Speaker Wire Pigtail	12AWG OFC Sub



### Features

- IP66/IP67 Certified Waterproof Amplifier Design
- Inline Power and Ground Couplers that need no soldering or crimping
- Intelligent Thermal Rollback for All-day play time
- Subsonic Filter for subwoofer protection
- KickEQ™ Bass Boost
- Compact Footprint - Ideal for space challenged vehicles
- Remote Output Level Control with CXARC (sold separately)

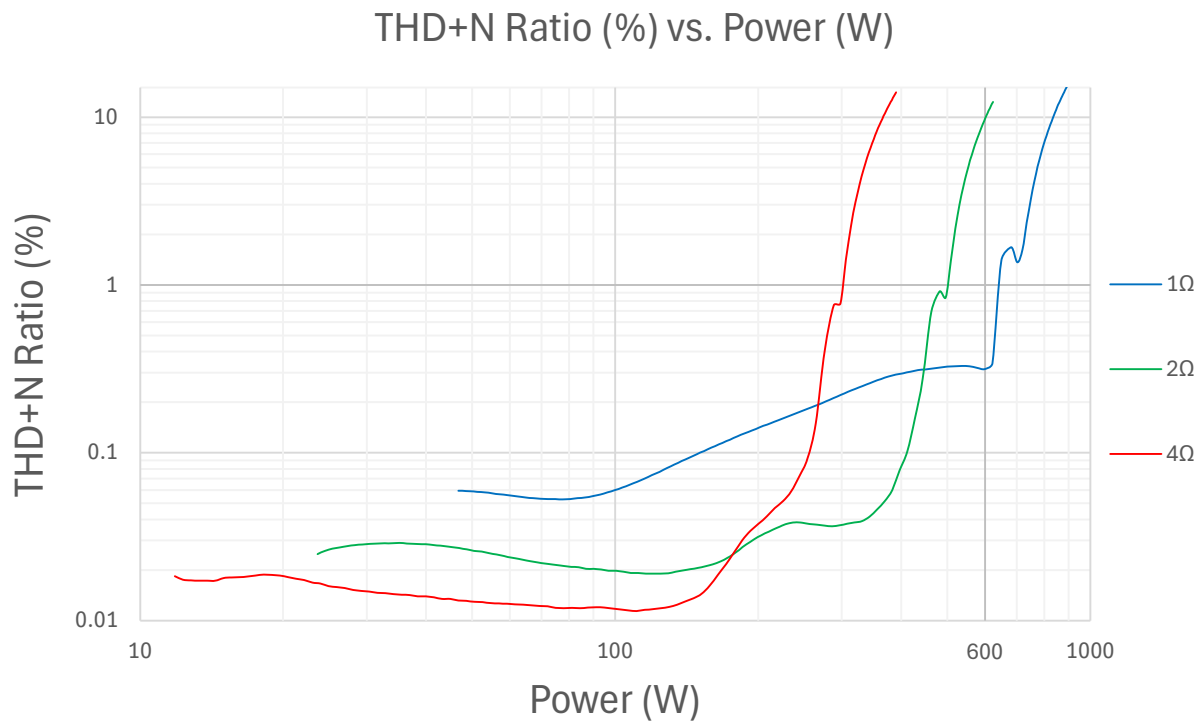
### Unit Dimensions



A - Overall Length	<b>9-3/4"</b>	<b>247.5mm</b>
A-1 - Mounting Holes Location - Length	<b>9-1/4"</b>	<b>235.2mm</b>
A-2 - Overall Length with Bulkhead	<b>9-15/16"</b>	<b>252.6mm</b>
A-3 - Wire Length	<b>9-13/16"</b>	<b>250.0mm</b>
B - Overall Width	<b>4-1/2"</b>	<b>114.7mm</b>
B-1 - Mounting Holes Location - Width	<b>2-1/2"</b>	<b>64.0mm</b>
C - Overall Height	<b>1-7/8"</b>	<b>47.0mm</b>
D - Mounting Hole Diameter	<b>7/32"</b>	<b>5.5mm</b>

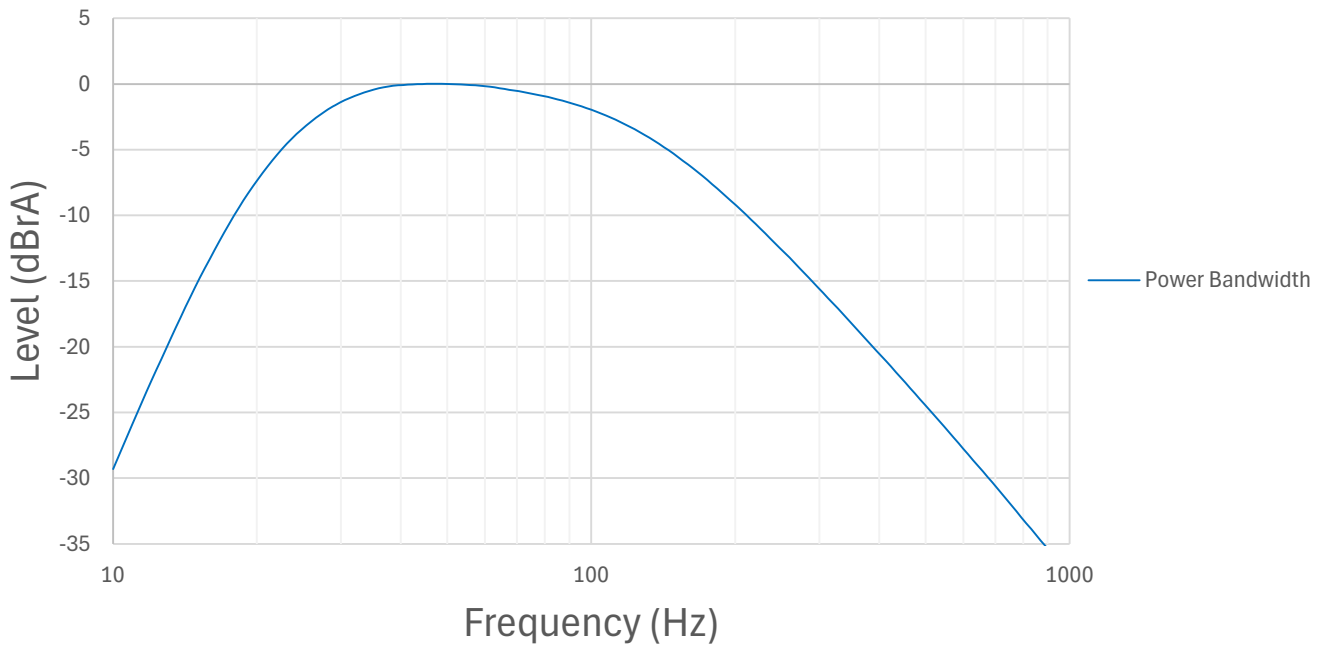
## Technical Graph Data

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



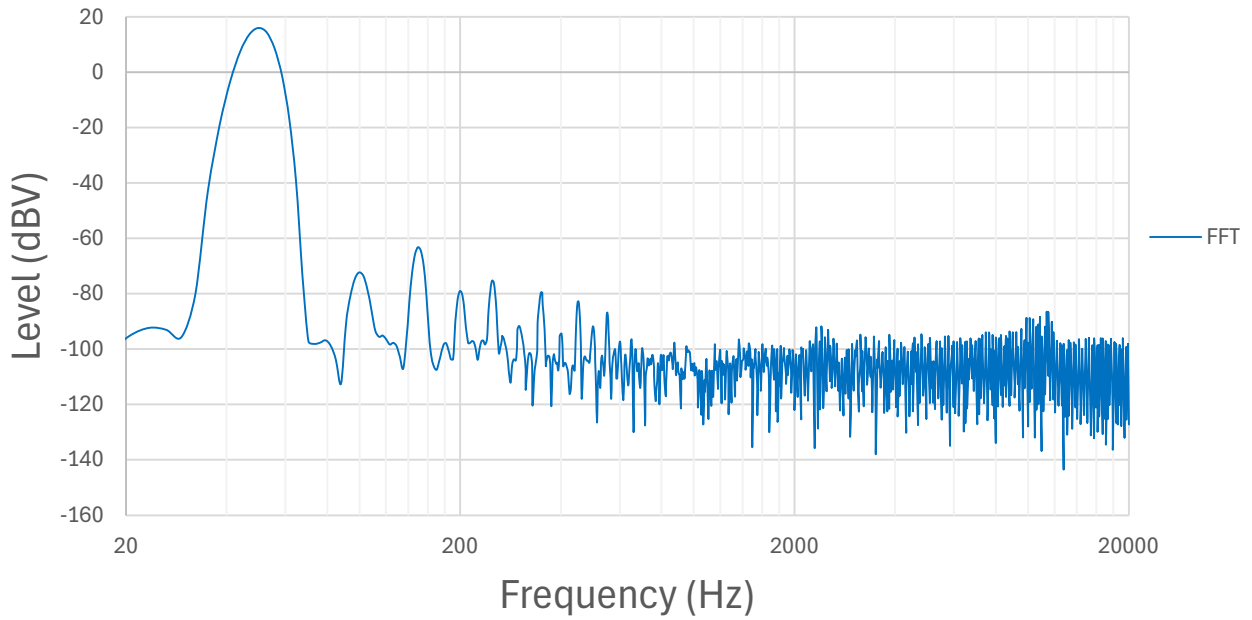
### Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (300W @ 4Ω)



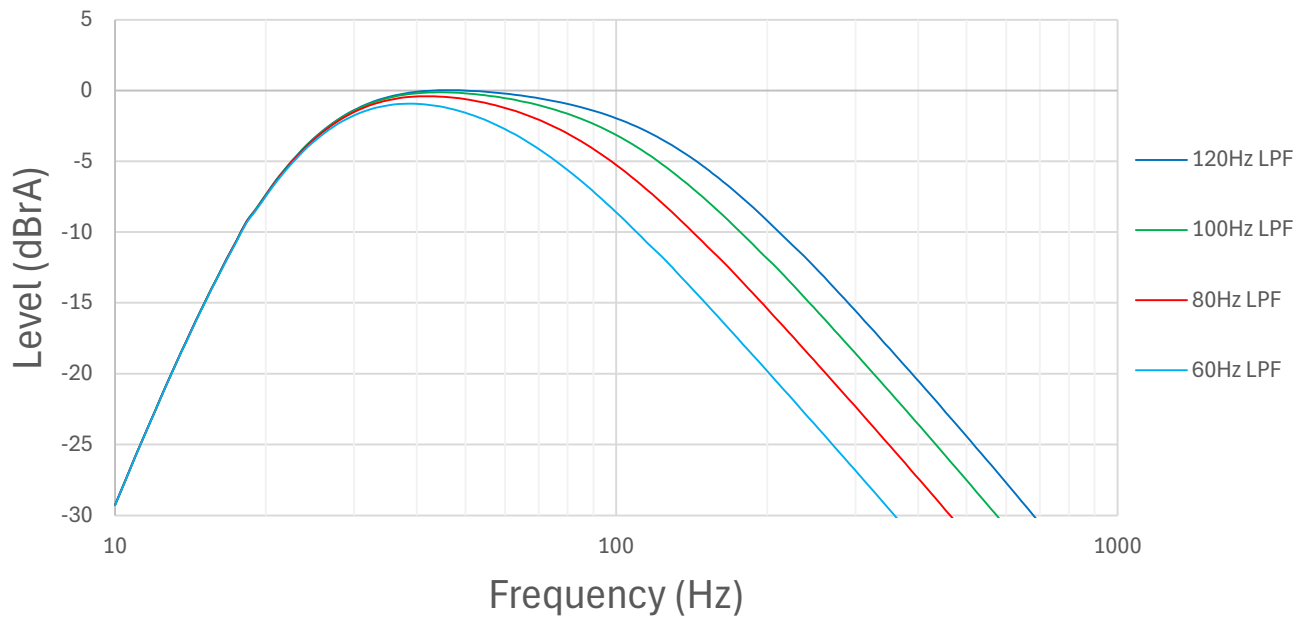
# FFT

## FFT (50Hz Signal)



# Crossover Frequency Response

## Crossover Frequency Response



KickEQ™

