



48PXA300.1

Waterproof 300 Watt Mono Class-D Sub Amp; RoHS Compliant

Specifications

Electrical Parameters

Power (@14.4V, <1%THD+N)	4Ω	150W x 1
Power (@14.4V, <1%THD+N)	2Ω	250W x 1
Power (@14.4V, <1%THD+N)	1Ω	300W x 1
Dynamic Power (@14.4V, <10%THD+N)	1Ω	500W
Lowest Rated Impedance		1Ω
Signal to Noise Ratio (CEA)	1W	>-75dB
Signal to Noise Ratio	Rated Power	>-95dB
CMRR	50Hz	-40dB
Input Impedance		>20kΩ
Frequency Response		25Hz - 200Hz
Selectable LoPass Filter	12dB / Octave BW	60Hz, 80Hz, 100Hz, 120Hz
Fixed Subsonic Filter	24dB / Octave BW	25Hz
KickEQ™ Selectable Bass Boost	40Hz	0dB, 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<40A
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?

48PXA300.1

Mono PXA Customer Information Card

Stainless Steel Mounting Hardware

2 DC Power Wire Couplers

Physical Materials

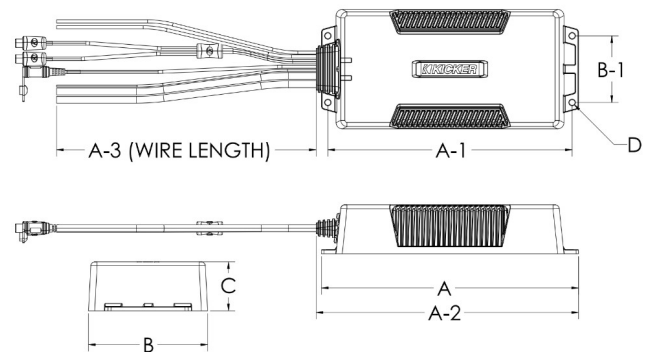
Heat Sink	Powder Coated Die Cast Aluminum
Bottom Panel	Anodized Stamped Aluminum
Signal Wire Pigtail	Twisted Pair Conductor RCA
Power Wire Pigtail	8AWG OFC Power and Ground/16AWG OFC Remote
Speaker Wire Pigtail	12AWG OFC Sub



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)

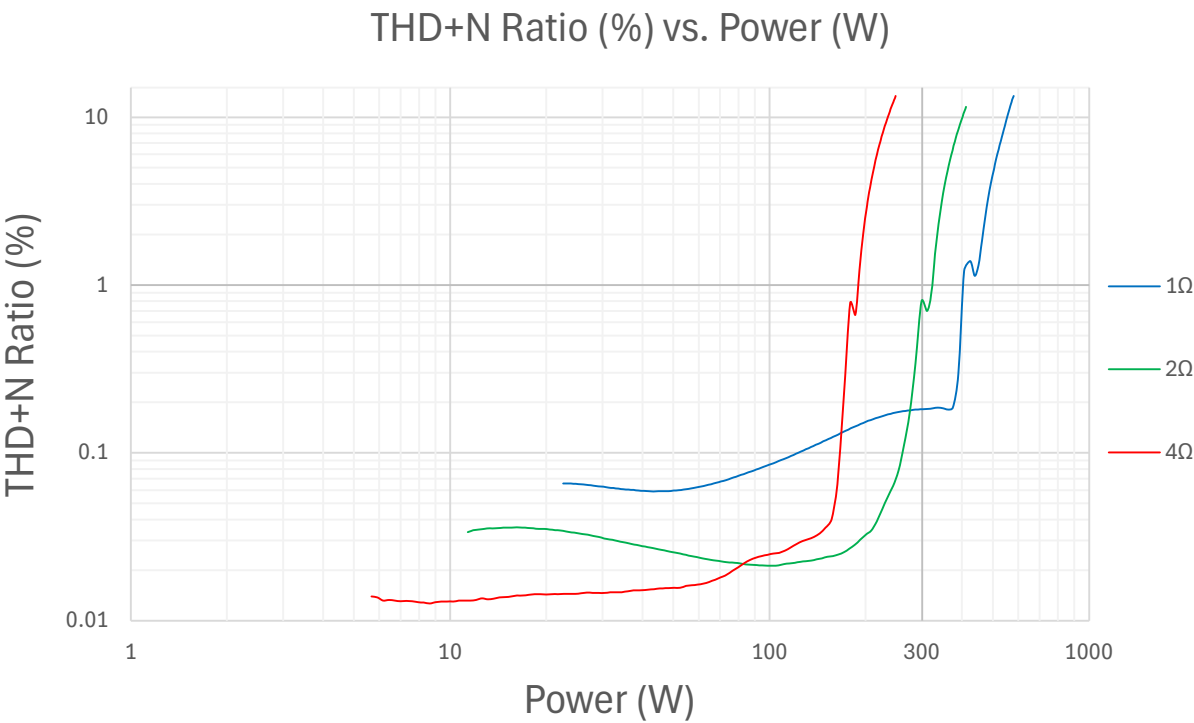
Unit Dimensions



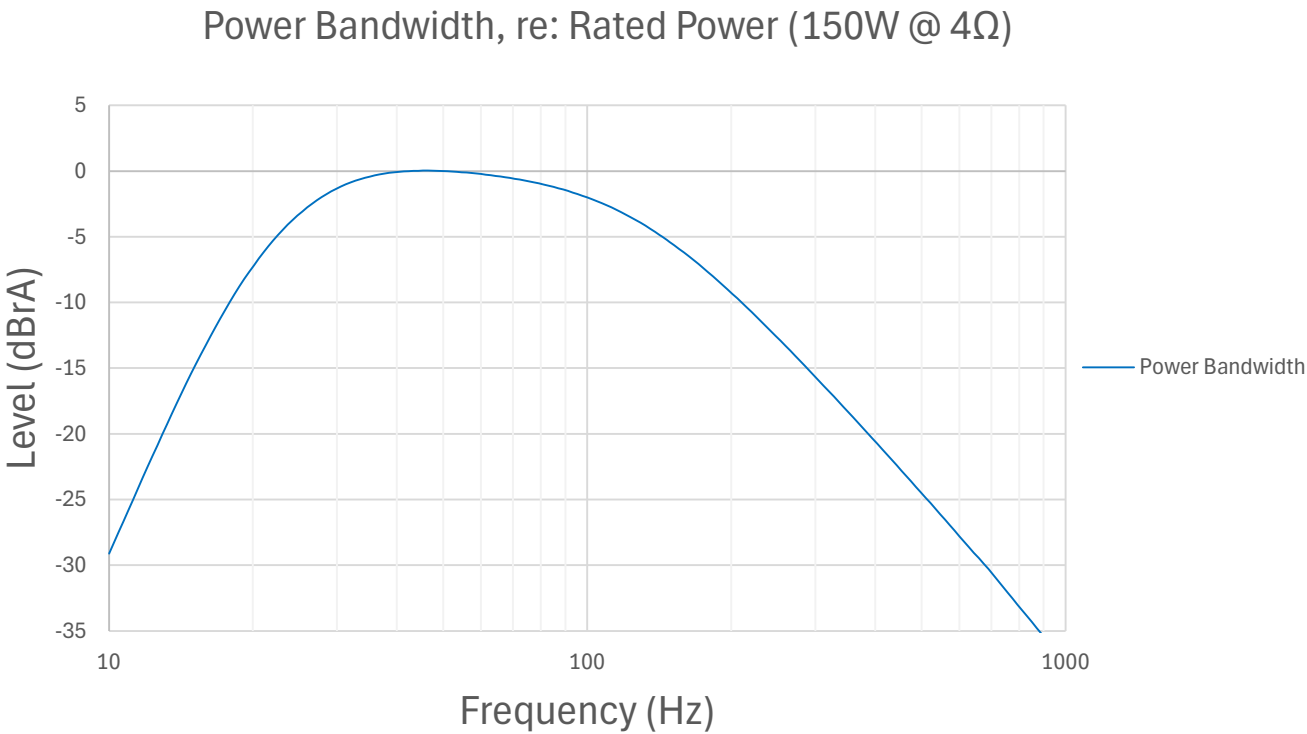
A - Overall Length	9-3/4"	247.5mm
A-1 - Mounting Holes Location - Length	9-1/4"	235.2mm
A-2 - Overall Length with Bulkhead	9-15/16"	252.6mm
A-3 - Wire Length	9-13/16"	250.0mm
B - Overall Width	4-1/2"	114.7mm
B-1 - Mounting Holes Location - Width	2-1/2"	64.0mm
C - Overall Height	1-7/8"	47.0mm
D - Mounting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

Technical Graph Data

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

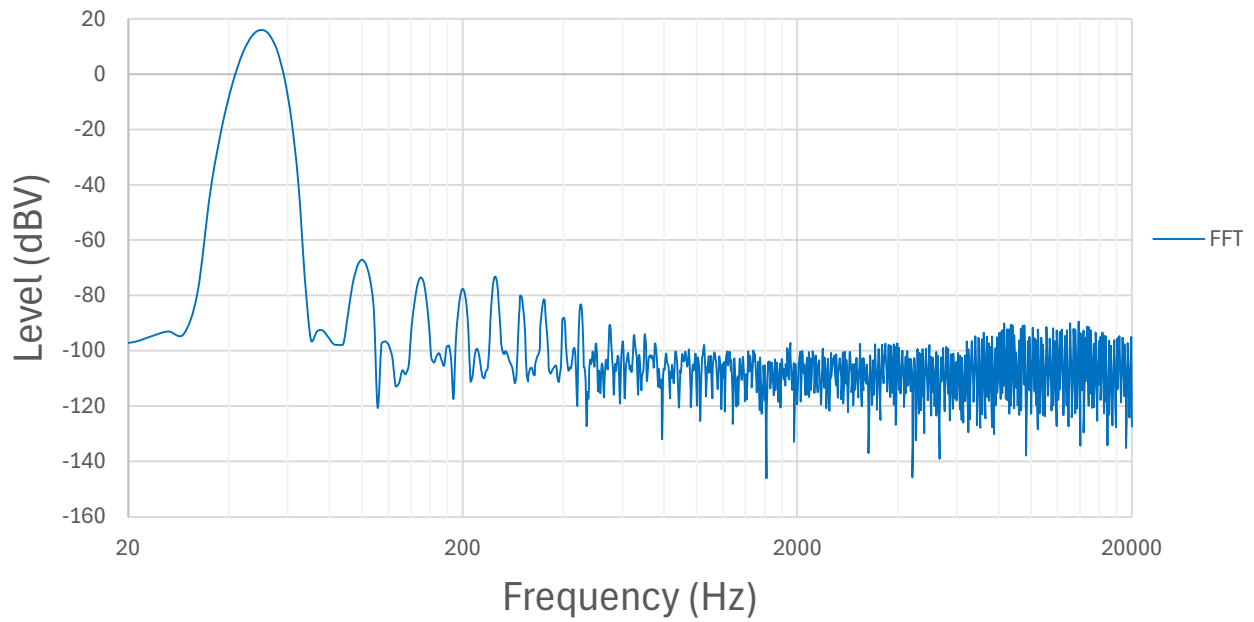


Power Bandwidth (4Ω) @14.4VDC



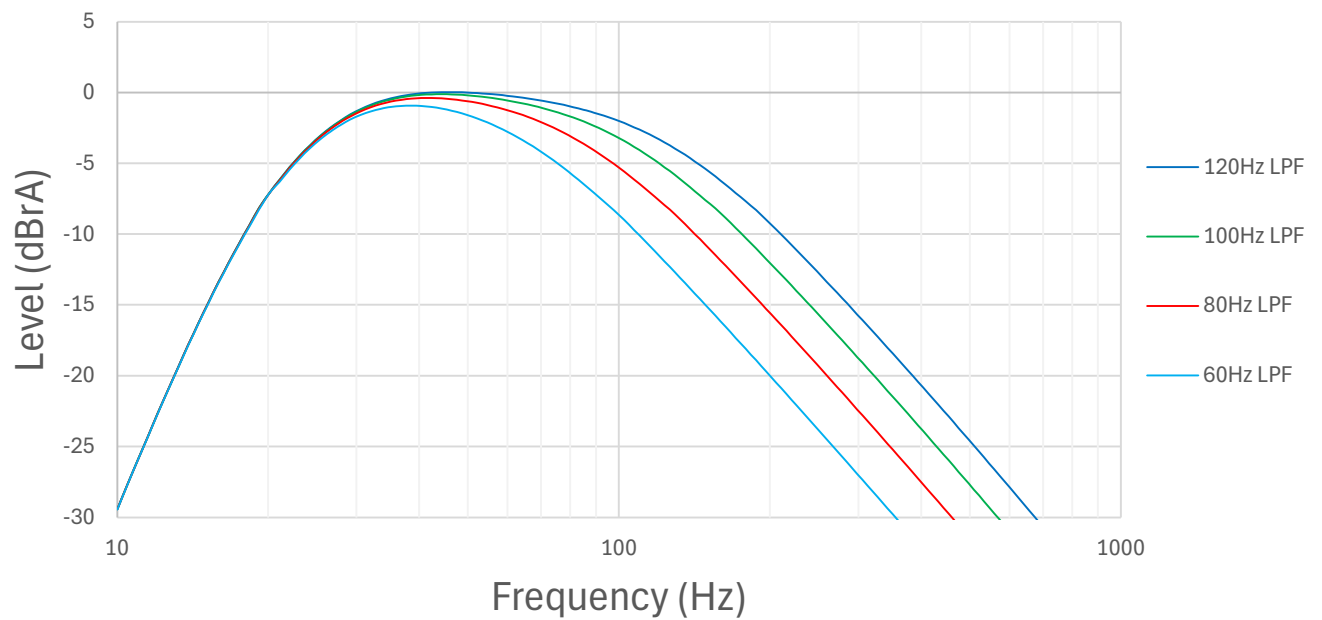
FFT

FFT (50Hz Signal)

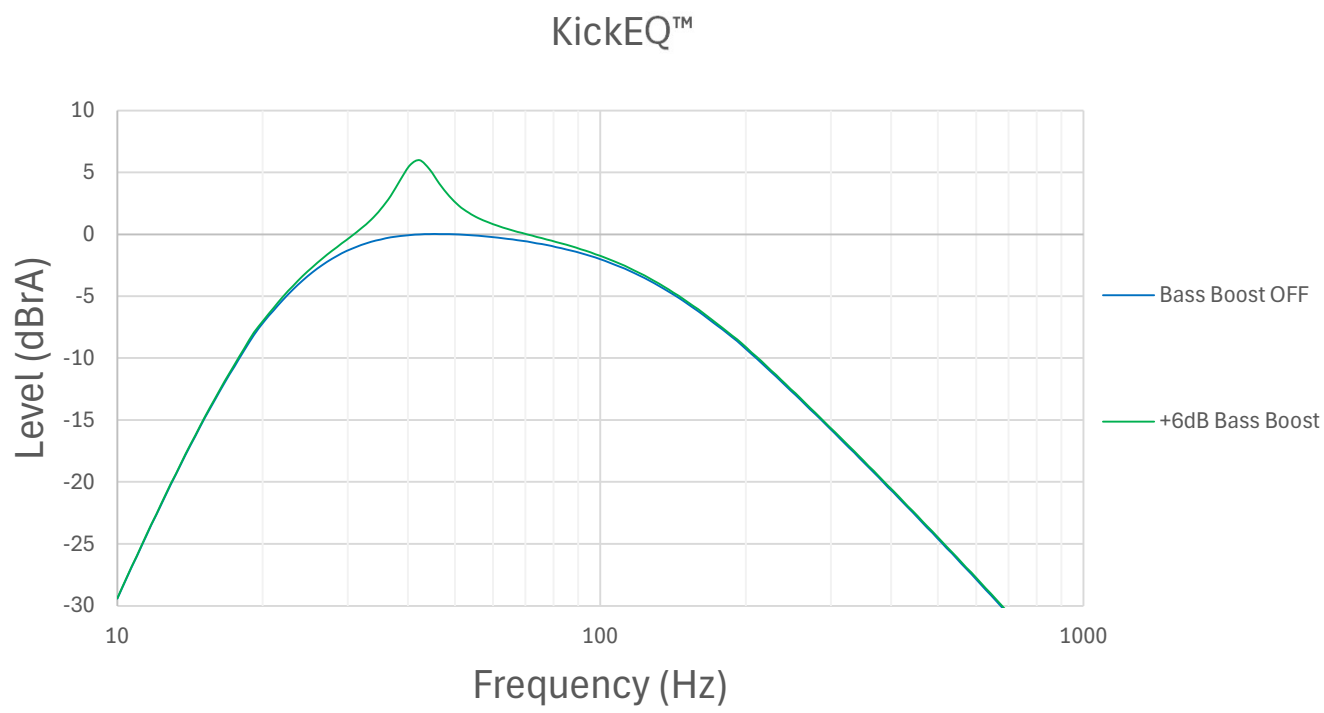


Crossover Frequency Response

Crossover Frequency Response



KickEQ™





48PXA400.4

Waterproof 4x100 Watt Class-D Full-Range amp; RoHS Compliant

Specifications

Electrical Parameters

Power (@14.4V, <1%THD+N)	4Ω Stereo	100W x 4
Power (@14.4V, <1%THD+N)	2Ω Stereo	150W x 4
Power (@14.4V, <1%THD+N)	4Ω Bridged	300W x 2
Dynamic Power (@14.4V, <10%THD+N)	4Ω Bridged	800W
Lowest Rated Impedance		2Ω Stereo / 4Ω Bridged
Signal to Noise Ratio (CEA)	1W	>-75dB
Signal to Noise Ratio	Rated Power	>-95dB
Channel Separation (Rated Power)	1000Hz	>55dB
CMRR	1000Hz	-40dB
Input Impedance		>20kΩ
Frequency Response		10Hz - 20kHz
Selectable HiPass Filter (Amp 1 & 2)	24dB / Octave BW	OFF, 80Hz, 120Hz
Selectable LoPass Filter (Amp 1 & 2)	24dB / Octave BW	OFF, 80Hz
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<60A
Remote Gain Attenuation (Amp 2)	*LoPass only	-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?

48PXA400.4

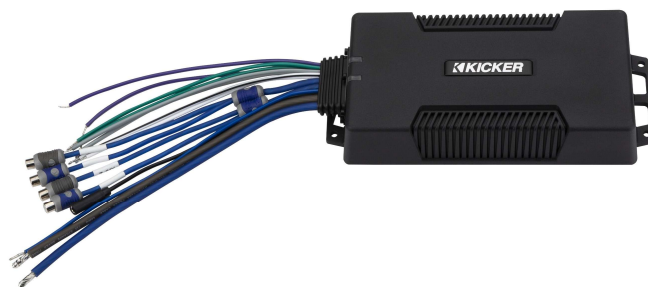
PXA400.4 Customer Information Card

Stainless Steel Mounting Hardware

2 DC Power Wire Couplers

Physical Materials

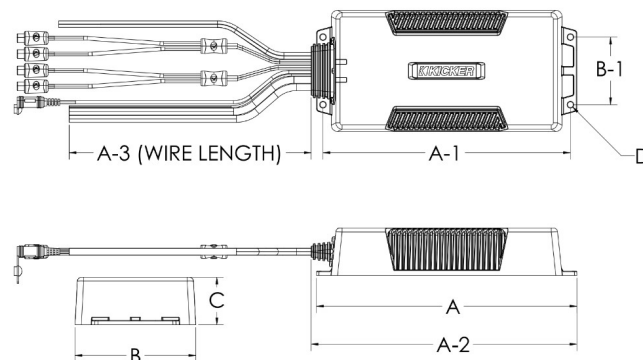
Heat Sink	Powder Coated Die Cast Aluminum
Bottom Panel	Anodized Stamped Aluminum
Signal Wire Pigtail	2x Twisted Pair Conductor RCA
Power Wire Pigtail	8AWG OFC Power and Ground/16AWG OFC Remote
Speaker Wire Pigtail	16AWG OFC Full Range (CEA Color Coding Standard)



Features

- IP66/IP67 Certified Waterproof Amplifier Design
- Inline Power and Ground Couplers that need no soldering or crimping
- Unlock DSP features with optional PXAPT and KPT software (sold separately)
- Intelligent Thermal Rollback for All-day play time
- Compact Footprint - Ideal for space challenged vehicles
- Remote Output Level Control (Amp 2 only) with CXARC (sold separately)

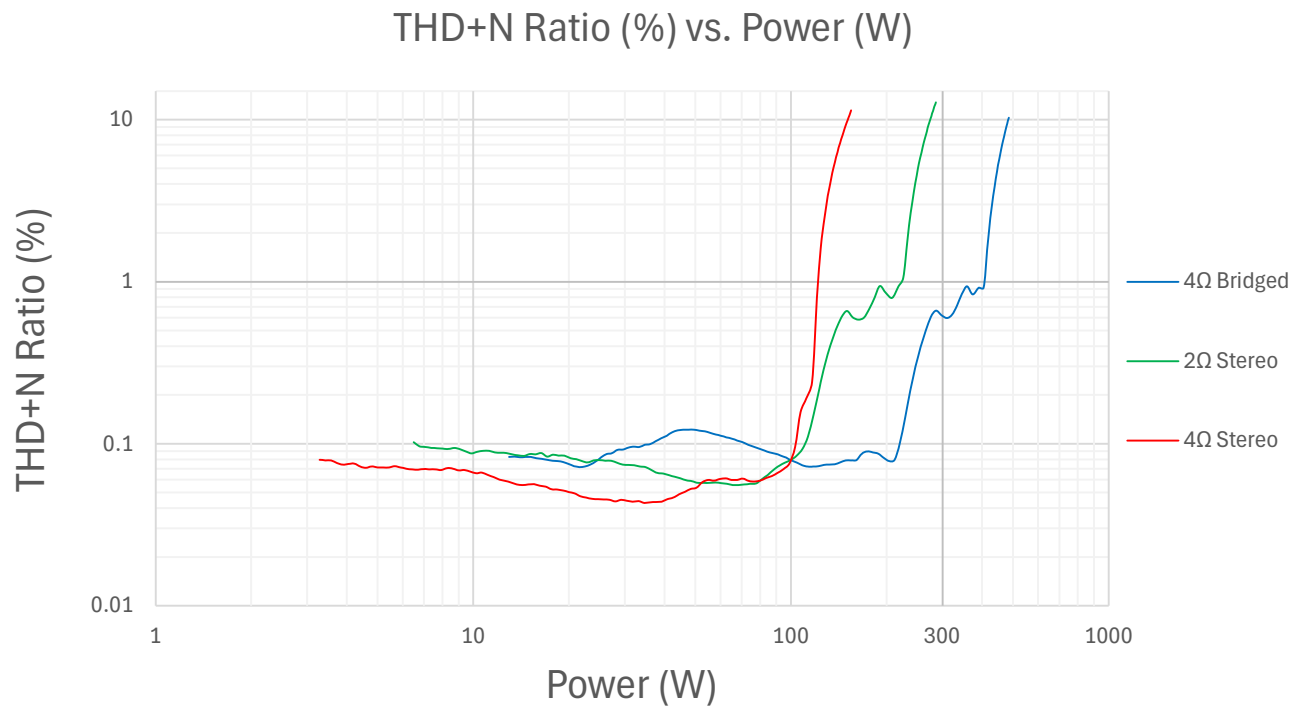
Unit Dimensions



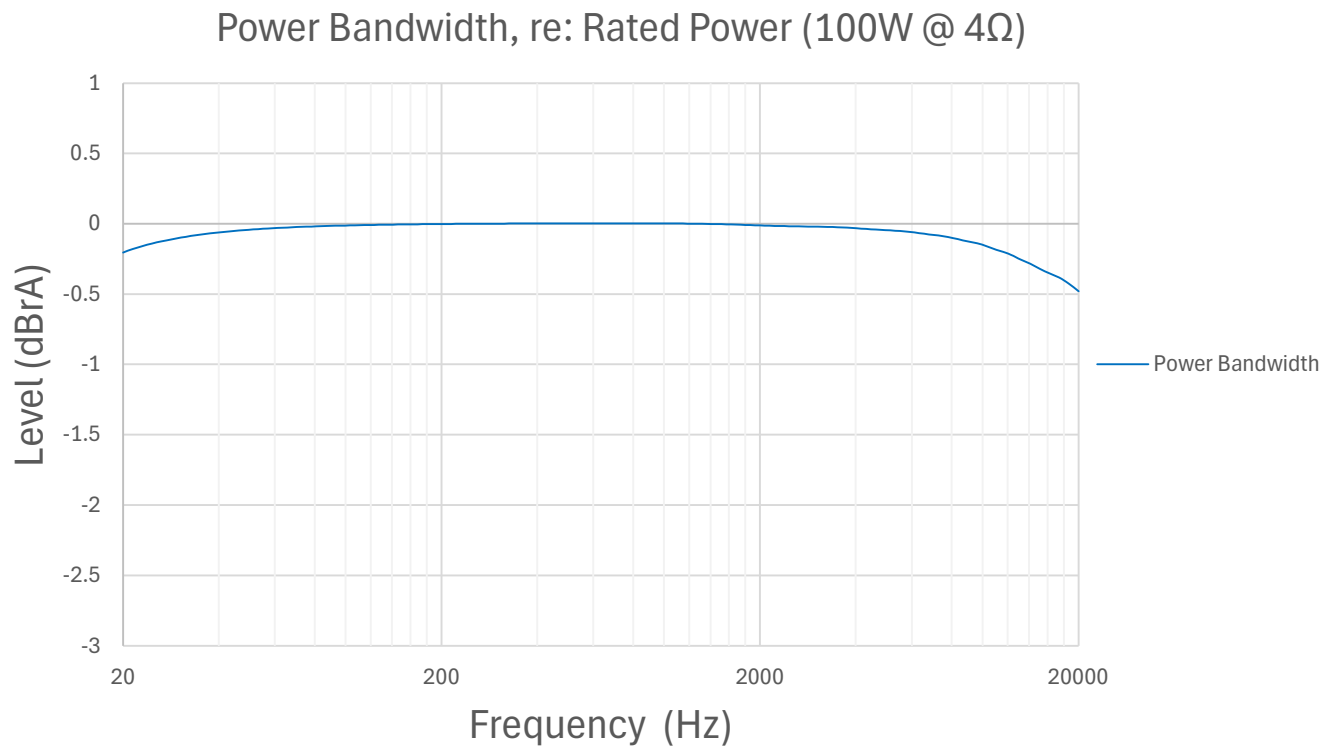
A - Overall Length	9-3/4"	247.5mm
A-1 - Mounting Holes Location - Length	9-1/4"	235.2mm
A-2 - Overall Length with Bulkhead	9-15/16"	252.6mm
A-3 - Wire Length	9-13/16"	250.0mm
B - Overall Width	4-1/2"	114.7mm
B-1 - Mounting Holes Location - Width	2-1/2"	64.0mm
C - Overall Height	1-3/4"	45.0mm
D - Mounting Hole Diameter	7/32"	5.5mm

Technical Graph Data

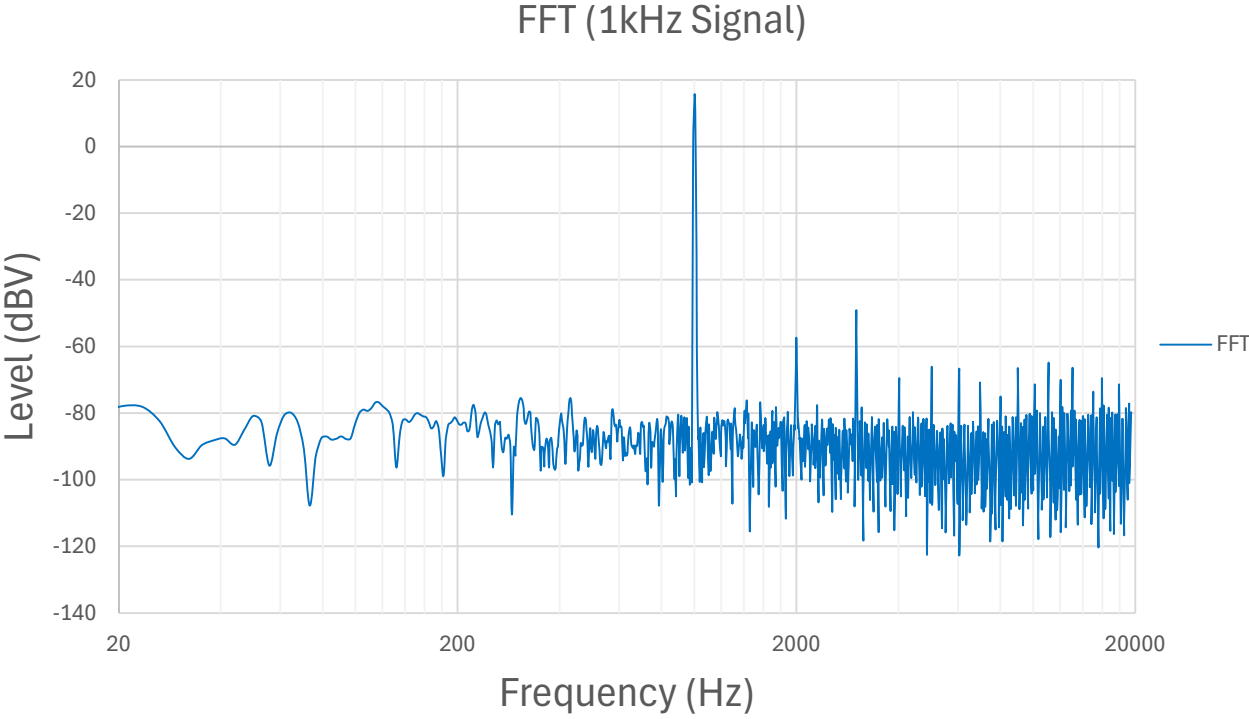
AMP1 and AMP2 - THD+N vs. Power (W) @14.4VDC



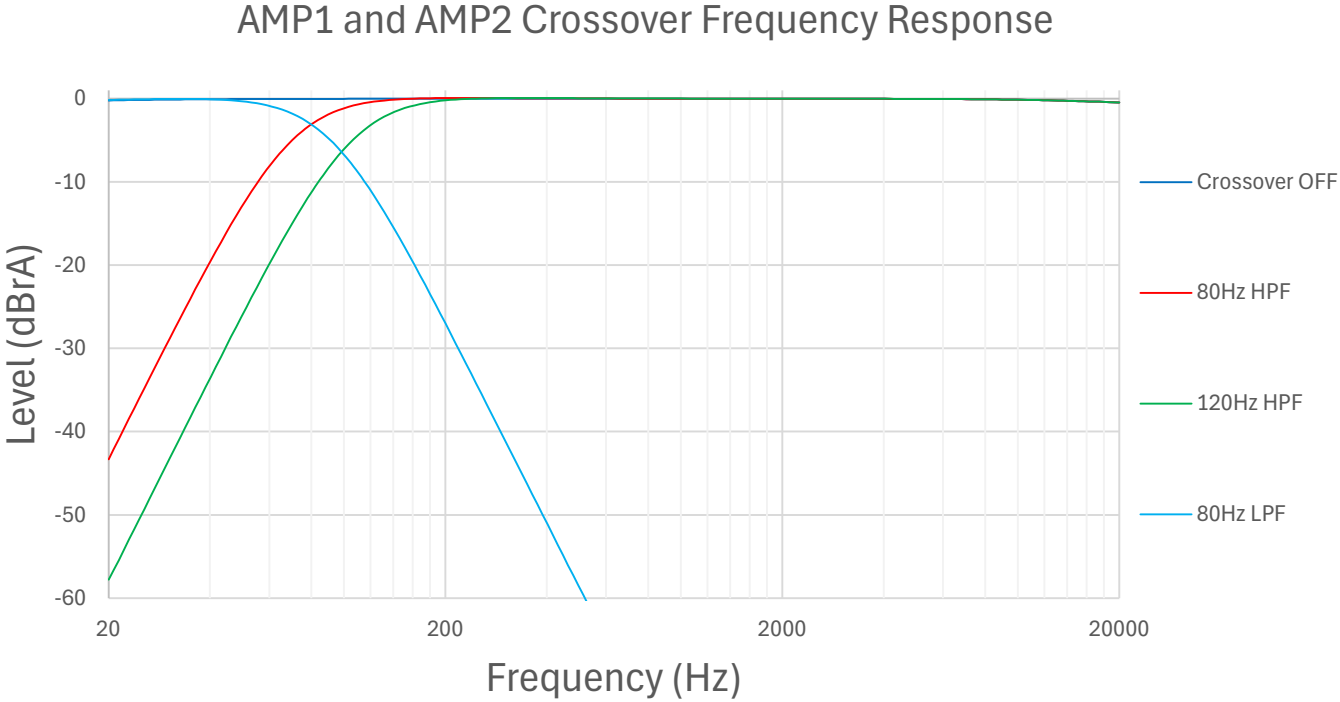
AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC



AMP1 and AMP2 - FFT



AMP1 and AMP2 Crossover Frequency Response





48PXA600.1

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

Specifications

Electrical Parameters

Power (@14.4V, <1%THD+N)	4Ω	300W x 1
Power (@14.4V, <1%THD+N)	2Ω	500W x 1
Power (@14.4V, <1%THD+N)	1Ω	600W x 1
Dynamic Power (@14.4V, <10%THD+N)	1Ω	850W
Lowest Rated Impedance		1Ω
Signal to Noise Ratio (CEA)	1W	>-75dB
Signal to Noise Ratio	Rated Power	>-95dB
CMRR	50Hz	-40dB
Input Impedance		>20kΩ
Frequency Response		25Hz - 200Hz
Selectable LoPass Filter	12dB / Octave BW	60Hz, 80Hz, 100Hz, 120Hz
Fixed Subsonic Filter	24dB / Octave BW	25Hz
KickEQ™ Selectable Bass Boost	40Hz	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

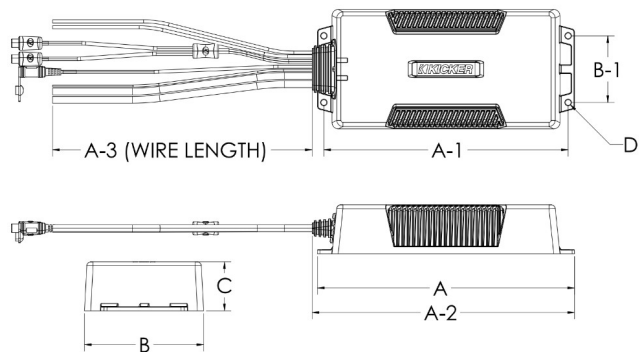
Heat Sink	Powder Coated Die Cast Aluminum
Bottom Panel	Anodized Stamped Aluminum
Signal Wire Pigtail	Twisted Pair Conductor RCA
Power Wire Pigtail	8AWG OFC Power and Ground/16AWG OFC Remote
Speaker Wire Pigtail	12AWG OFC Sub



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)

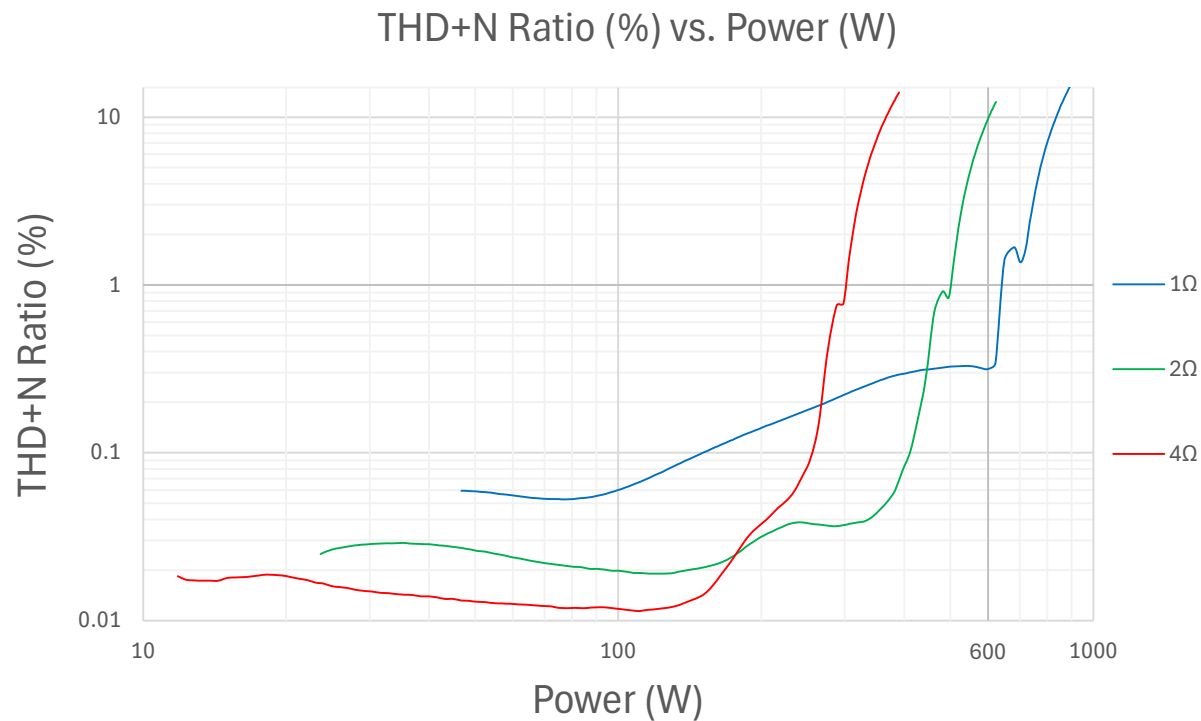
Unit Dimensions



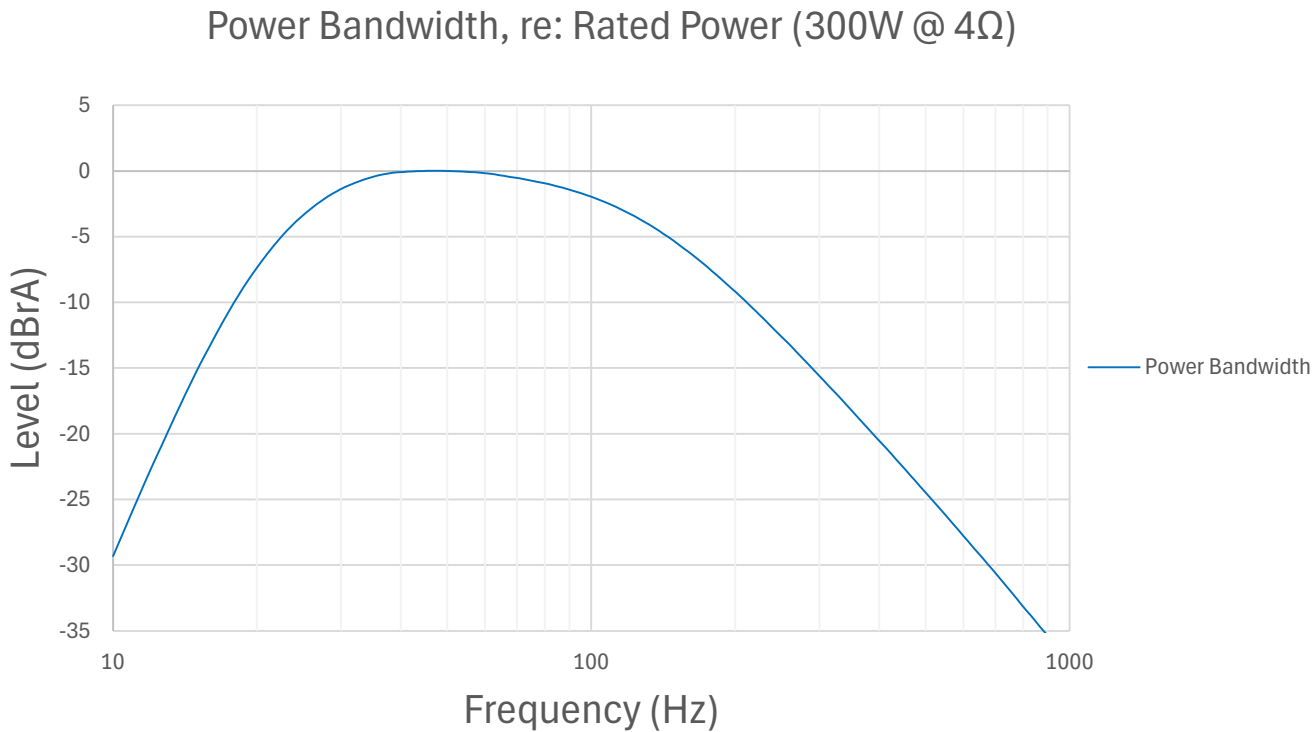
A - Overall Length	9-3/4"	247.5mm
A-1 - Mounting Holes Location - Length	9-1/4"	235.2mm
A-2 - Overall Length with Bulkhead	9-15/16"	252.6mm
A-3 - Wire Length	9-13/16"	250.0mm
B - Overall Width	4-1/2"	114.7mm
B-1 - Mounting Holes Location - Width	2-1/2"	64.0mm
C - Overall Height	1-7/8"	47.0mm
D - Mounting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

Technical Graph Data

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

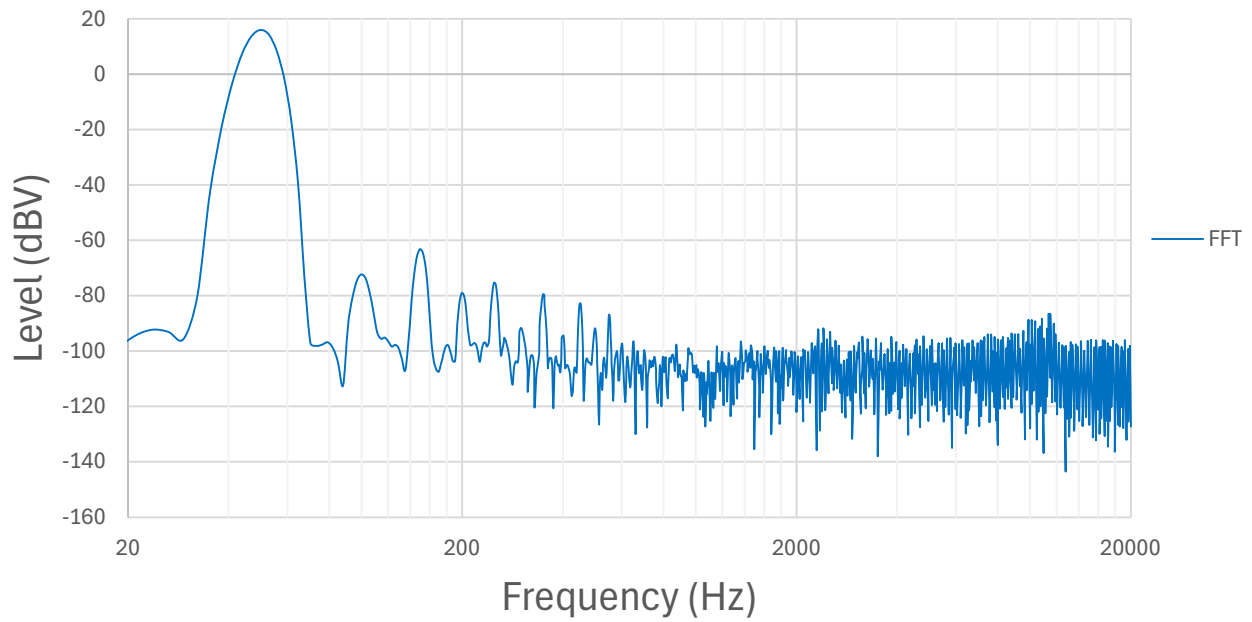


Power Bandwidth (4Ω) @14.4VDC



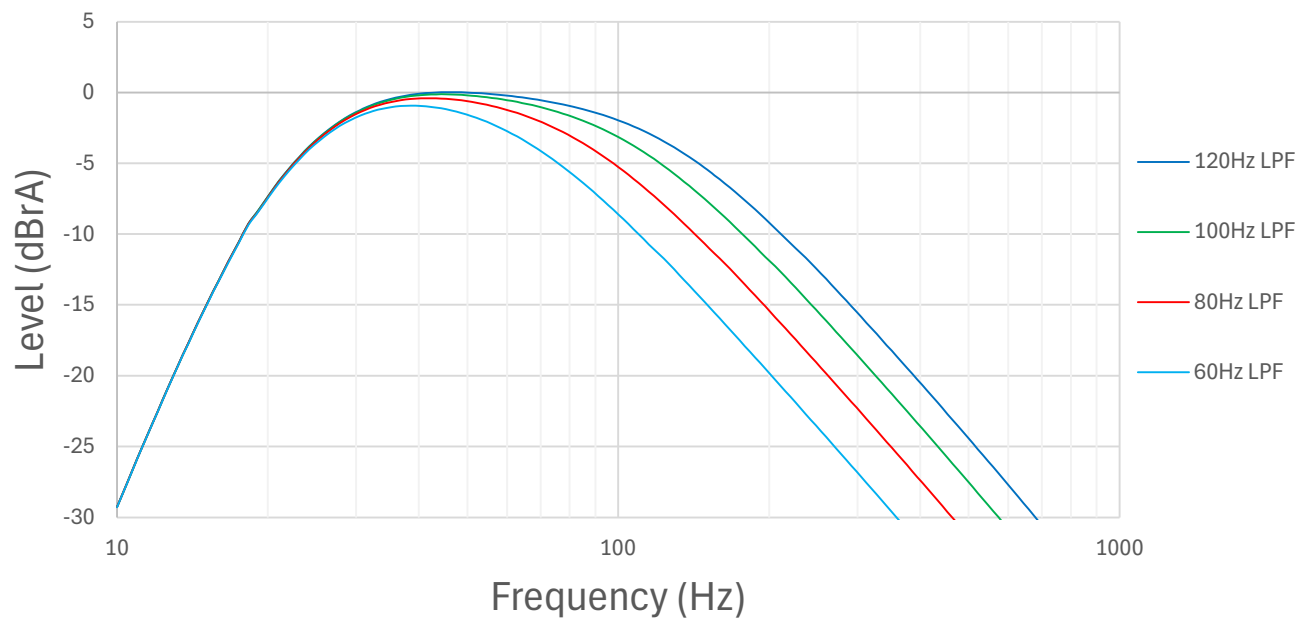
FFT

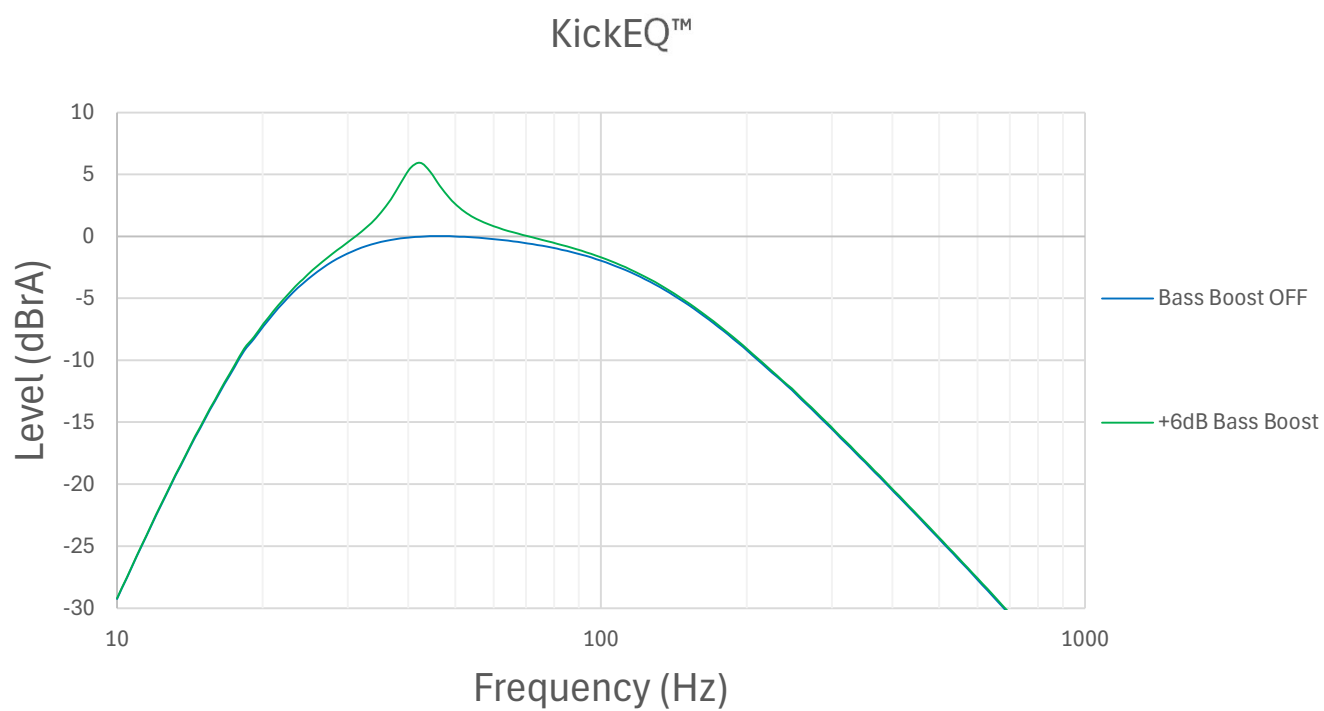
FFT (50Hz Signal)



Crossover Frequency Response

Crossover Frequency Response







48PXA1000.5

Waterproof 4x100 Watt Class-D Full-Range Amplifier W/600 Watt Mono Amplifier; RoHS Compliant

Specifications

Electrical Parameters

Power (@14.4V, <1%THD+N)	4Ω Stereo	100W x 4
Power (@14.4V, <1%THD+N)	2Ω Stereo	150W x 4
Power (@14.4V, <1%THD+N)	4Ω Bridged	300W x 2
Power (@14.4V, <1%THD+N)	4Ω Mono	300W x 1
Power (@14.4V, <1%THD+N)	2Ω Mono	500W x 1
Power (@14.4V, <1%THD+N)	1Ω Mono	600W x 1
Dynamic Power (@14.4V, <10%THD+N)	4Ω Bridged + 1Ω Mono	1400W
Lowest Rated Impedance (Amp 1 & 2)		2Ω Stereo / 4Ω Bridged
Lowest Rated Impedance (Sub)		1Ω
Signal to Noise Ratio (CEA)	1W	>-75dB
Signal to Noise Ratio	Rated Power	>-95dB
Channel Separation (Rated Power) FR	1000Hz	>55dB
CMRR (Amp 1 & 2)	1000Hz	-40dB
CMRR (Sub)	50Hz	-40dB
Input Impedance		>20kΩ
Frequency Response (Amp 1 & 2)		10Hz - 20kHz
Frequency Response (Sub)		25Hz - 200Hz
Selectable HiPass Filter (Amp 1 & 2)	24dB / Octave BW	OFF, 80Hz, 120Hz
Selectable LoPass Filter (Sub)	24dB / Octave BW	60Hz, 80Hz, 100Hz, 120Hz
Fixed Subsonic Filter (Sub)	24dB / Octave BW	25Hz
KickEQ™ Selectable Bass Boost (Sub)	40Hz	0dB, 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<150A
Remote Gain Attenuation (Sub)		-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?

48PXA1000.5

PXA1000.5 Customer Information Card

Stainless Steel Mounting Hardware

2 DC Power Wire Couplers

Physical Materials

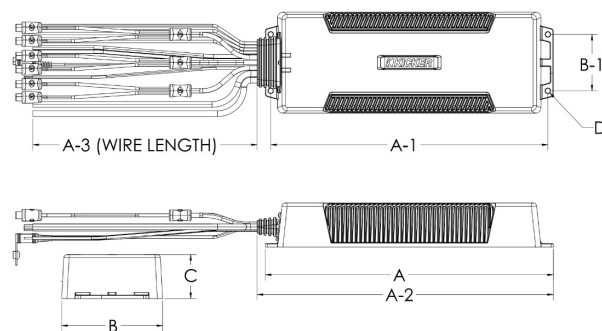
Heat Sink	Powder Coated Die Cast Aluminum
Bottom Panel	Anodized Stamped Aluminum
Signal Wire Pigtail	3x Twisted Pair Conductor RCA
Power Wire Pigtail	8AWG OFC Power and Ground/16AWG OFC remote
Subwoofer Speaker Wire Pigtail	12AWG OFC Sub
Full Range Speaker Wire Pigtail	16AWG OFC Full Range (CEA Color Coding Standard)



Features

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

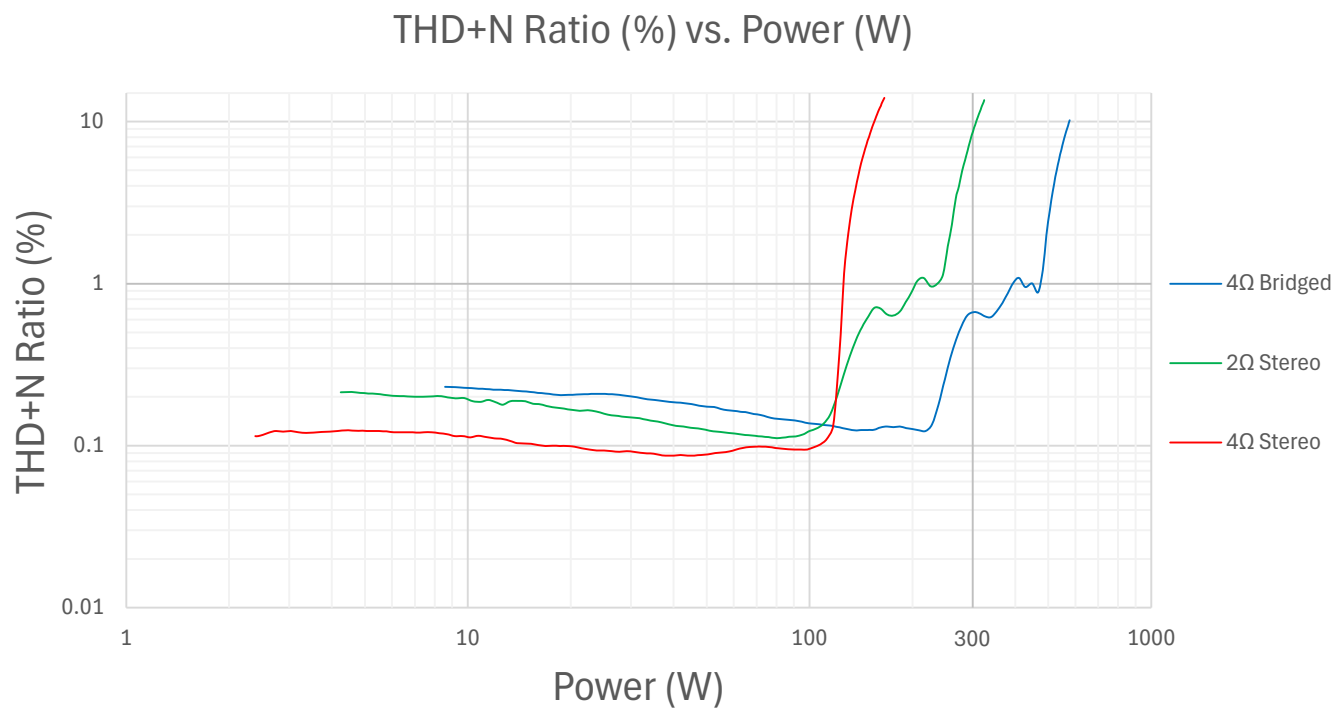
Unit Dimensions



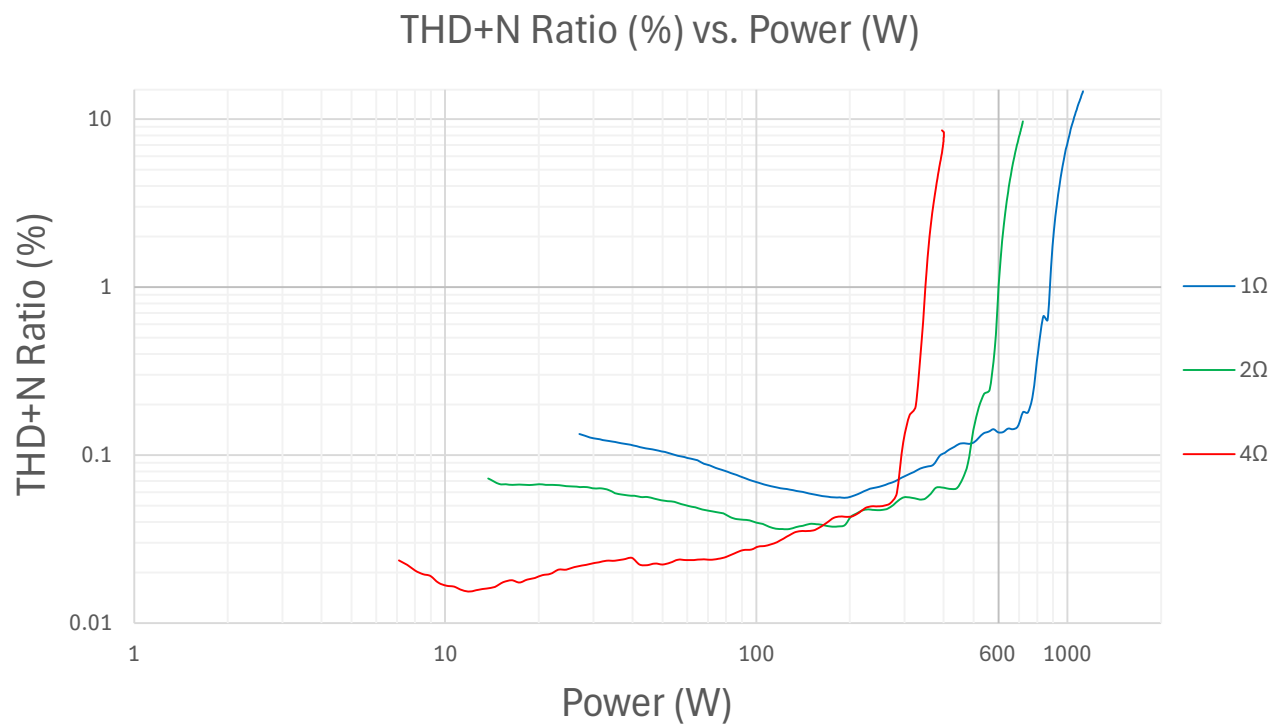
A - Overall Length	12-7/8"	327.5mm
A-1 - Mounting Holes Location - Length	12-7/16"	315.2mm
A-2 - Overall Length with Bulkhead	13-1/4"	336.8mm
A-3 - Wire Length	9-13/16"	250.0mm
B - Overall Width	4-1/2"	114.7mm
B-1 - Mounting Holes Location - Width	2-1/2"	64.0mm
C - Overall Height	1-15/16"	50.0mm
D - Mounting Hole Diameter	7/32"	5.5mm

Technical Graph Data

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

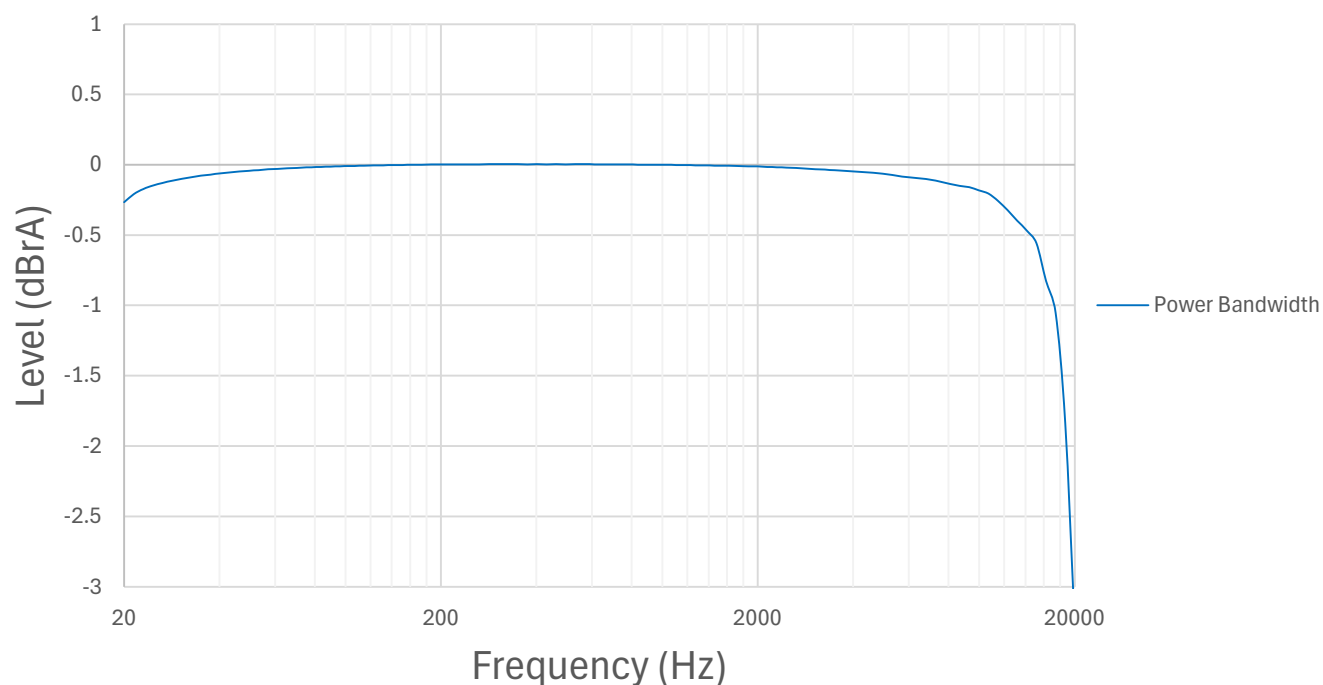


SUB - THD+N vs. Power (W) @14.4VDC



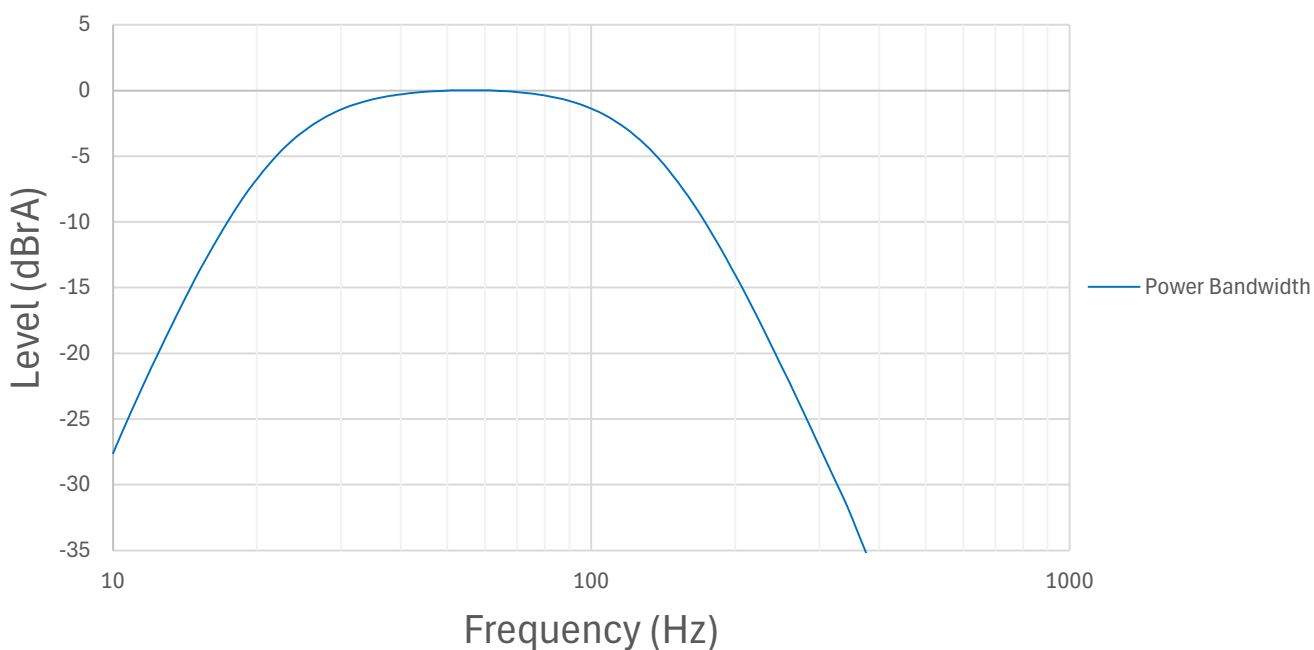
AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (100W @ 4Ω)

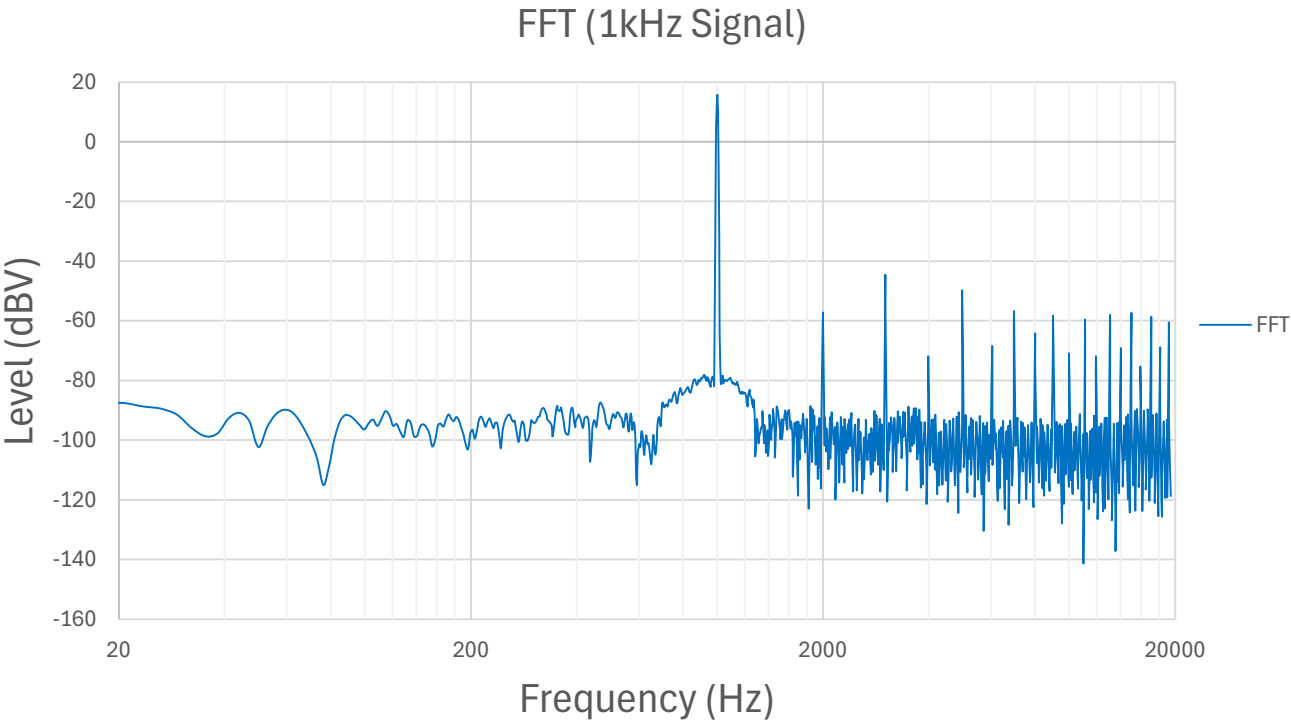


SUB - Power Bandwidth (4Ω) @14.4VDC

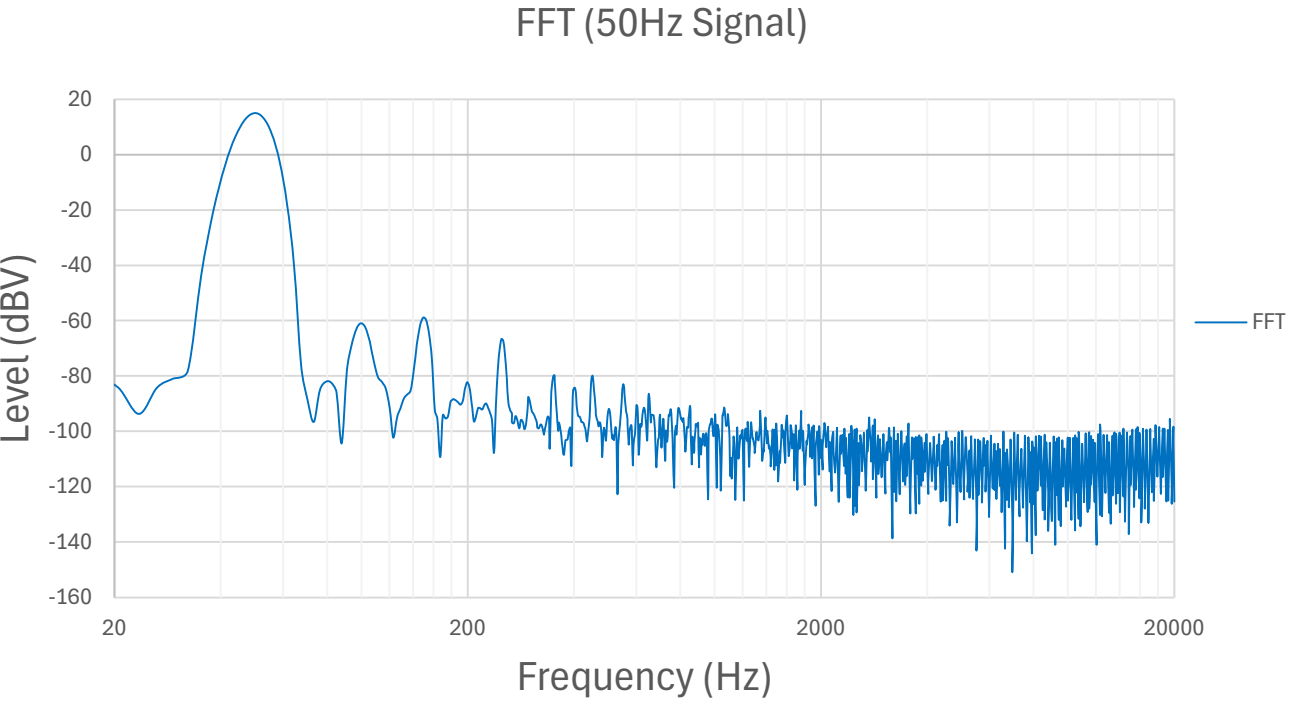
Power Bandwidth, re: Rated Power (300W @ 4Ω)



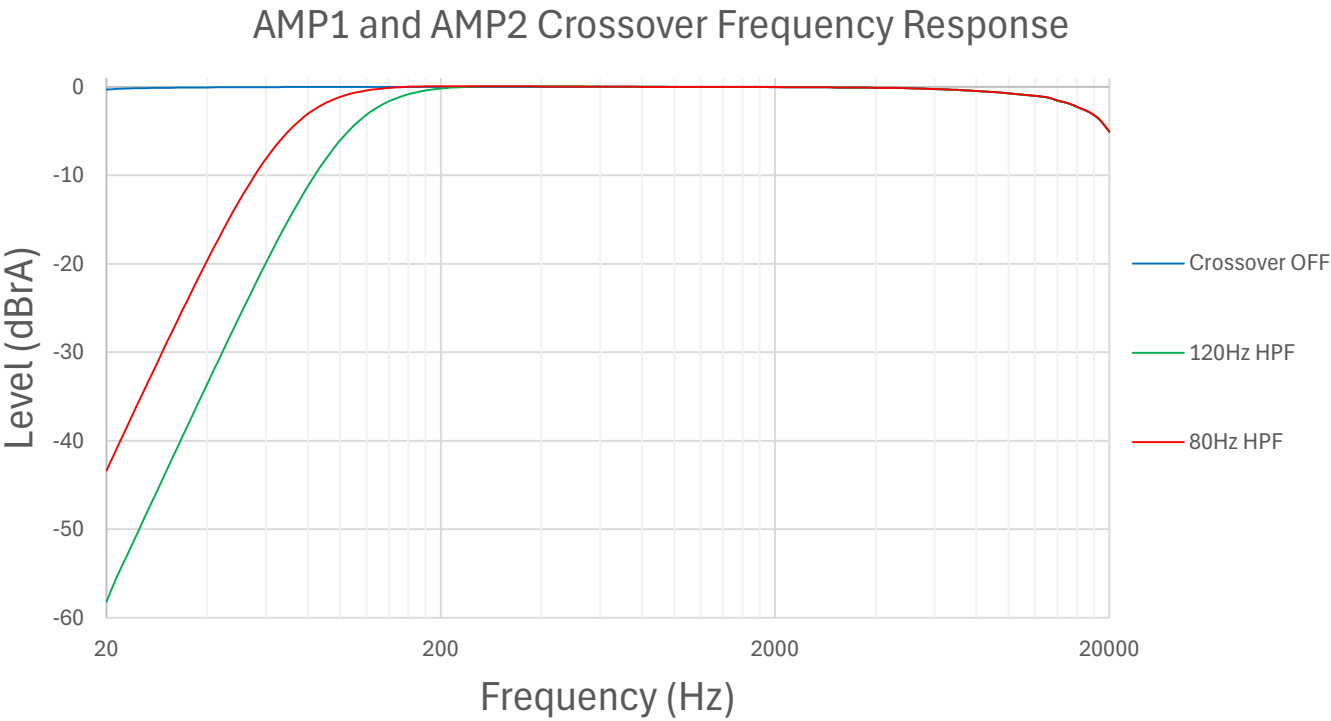
AMP1 and AMP2 - FFT



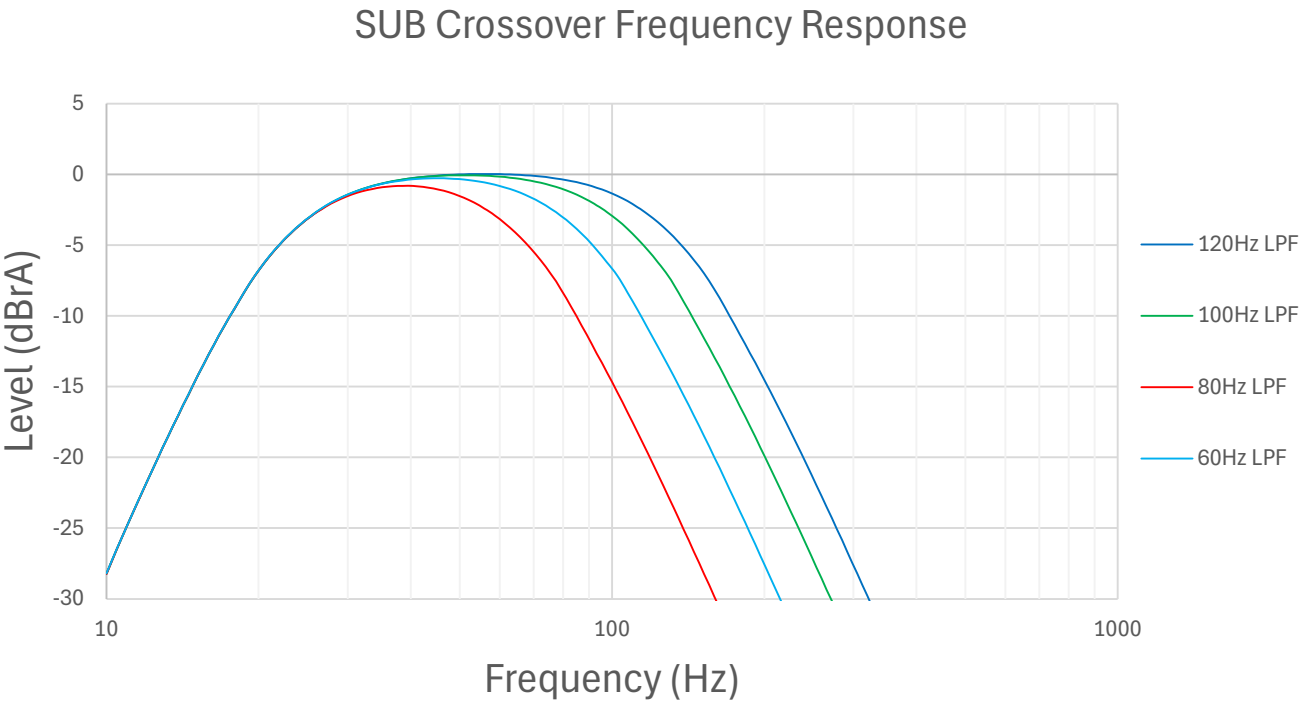
SUB - FFT



AMP1 and AMP2 Crossover Frequency Response



SUB Crossover Frequency Response



KickEQ™

