

KICKER®

49WXA1000.4

4 x 250 Watt 4-Channel Full Range Amplifier, RoHS Compliant

Specifications

Electrical Parameters

Power (@14.4V, <1%THD+N)	4Ω Stereo	250W x 4
Power (@14.4V, <1%THD+N)	2Ω Stereo	450W x 4
Power (@14.4V, <1%THD+N)	4Ω Bridged	900W x 2
Dynamic Power (@14.4V, <10%THD+N)	4Ω Bridged	2000W
Lowest Rated Impedance		2Ω Stereo / 4Ω Bridged
Signal to Noise Ratio (CEA)	1W	>-70dB
Signal to Noise Ratio	Rated Power	>-90dB
Channel Separation (Rated Power)	1000Hz	>55dB
CMRR	1000Hz	-40dB
Input Impedance		>20kΩ
Frequency Response		10Hz - 20kHz
Variable HiPass Filter (Amp 1)	24dB / octave BW	10Hz - 5kHz (10X Switch)
Variable LoPass Filter (Amp 1)	24dB / octave BW	10Hz - 5kHz (10X Switch)
Variable HiPass Filter (Amp 2)	24dB / octave BW	10Hz - 500Hz
Variable LoPass Filter (Amp 2)	24dB / octave BW	100Hz - 5kHz
Variable BandPass Filter (Amp 2)	24dB / octave BW	10Hz - 5kHz
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<200A
Efficiency (Rated Power)		>75%
Low Level Input Sensitivity		125mV - 5V
High Level Input Sensitivity		1V - 40V
Under Voltage Protection		6.5V (warning at 10.5V)
Over Voltage Protection		16V (warning at 15.25V)

What's in the box?

49WXA1000.4

WXAVM Diagnostic Tool - 19.75ft RJ45 cable included

WXA1000.4 Amplifier Owner's Manual

Hardware Pack - 3mm and 5mm hex key & mounting hardware

Physical Materials

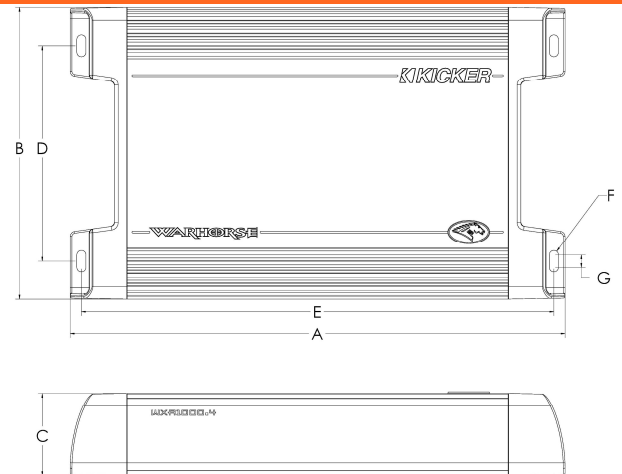
Heat Sink	Anodized Extruded Aluminum
End Caps	Powder Coated Cast Aluminum
Bottom Panel	Powder Coated Stamped Steel
WXAVM	Powder Coated Aluminum Housing



Features

- **FIT+ Differential Inputs** - near universal compatibility with source units
- **Variable Electronic HP/LP/BP Filter** for speaker protection
- **Fully Start/Stop Compliant** - operational down to 6.5V
- **1/0AWG Power & Ground Terminals**
- **8AWG Speaker Terminals**
- **Included WXAVM Diagnostic Tool**

Unit Dimensions

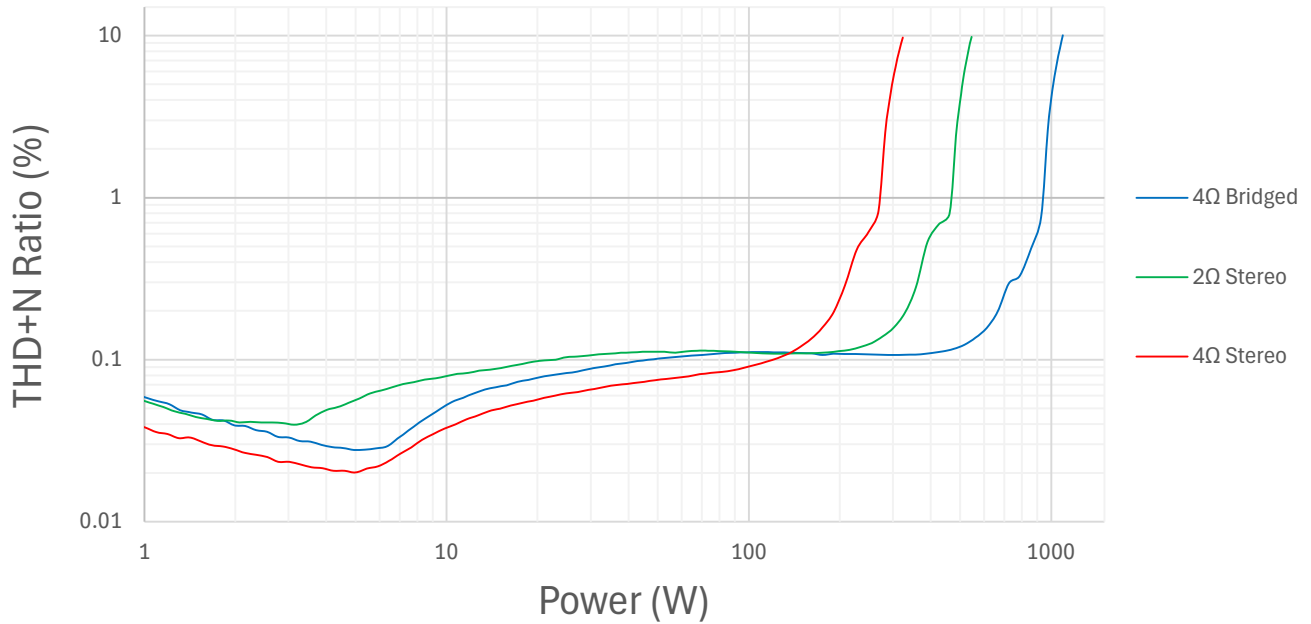


A - Overall Length	15-3/8"	391.0mm
B - Overall Width	9-1/8"	232.0mm
C - Overall Height	2-9/16"	65.0mm
D - Mounting Holes Location - Width	6-3/4"	172.0mm
E - Mounting Holes Location - Length	14-3/4"	375.0mm
F - Mounting Hole Diameter	5/16"	7.2mm
G - Mounting Hole Width	3/8"	10.0mm

Technical Graph Data

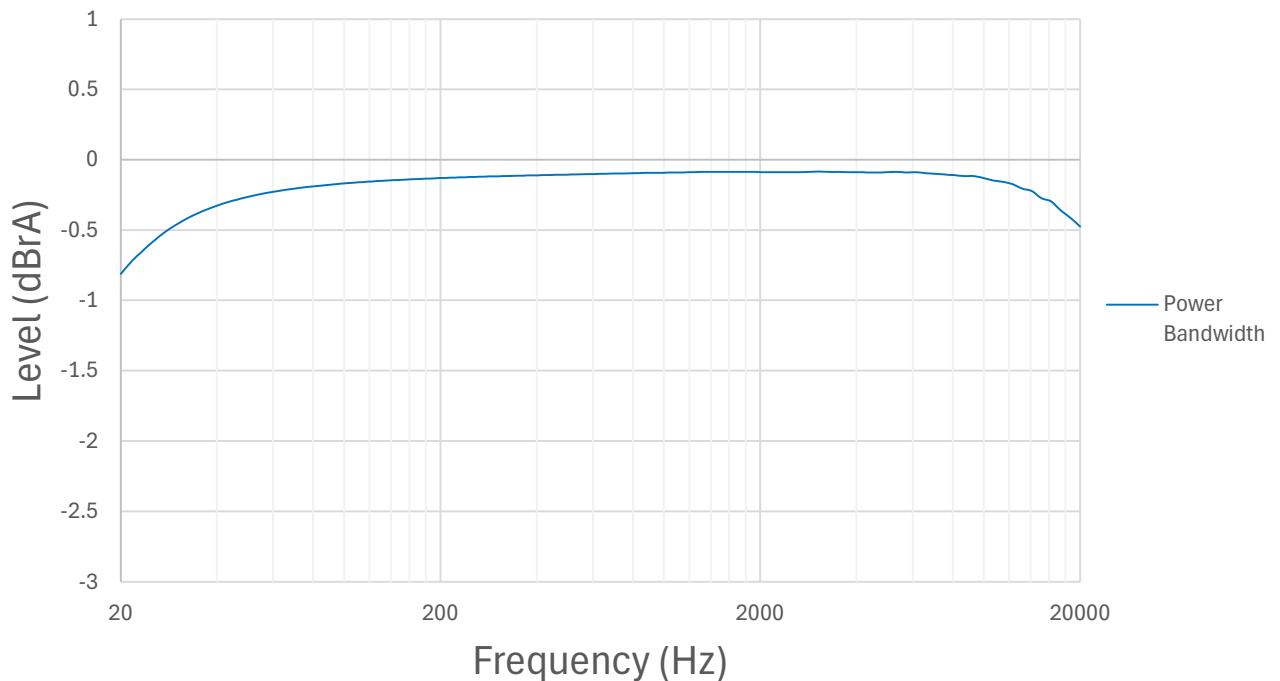
AMP1 and AMP2 - THD+N vs. Power (W) @14.4VDC

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



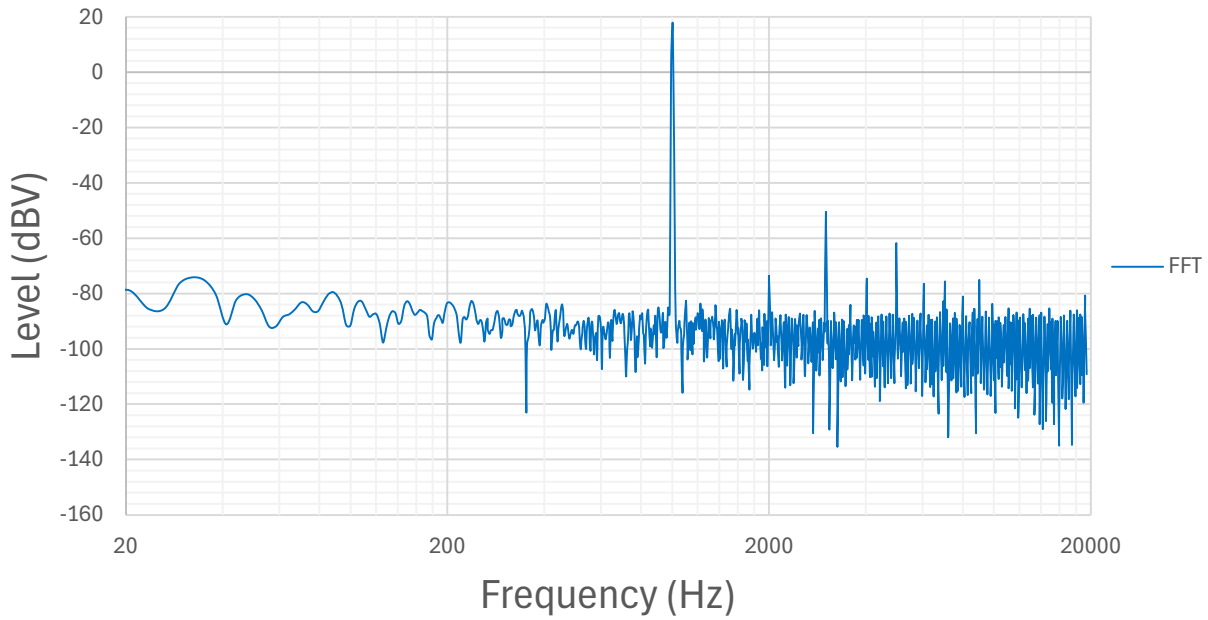
AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (250W @ 4Ω)



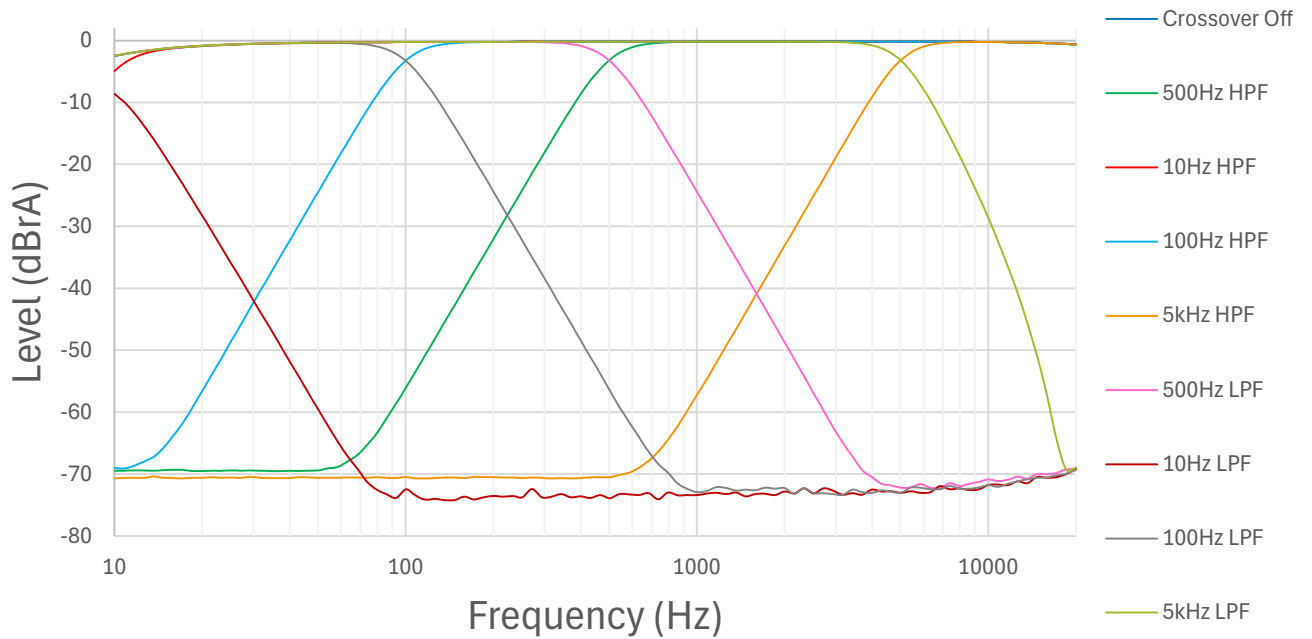
AMP1 and AMP2 - FFT

FFT (1kHz Signal)



AMP1 Crossover Bench

AMP1 Crossover Bench



AMP2 Crossover Bench

AMP2 Crossover Bench

