

*Class-A PRECISION INTEGRATED STEREO AMPLIFIER*

# E-650



ACCUPHASE LABORATORY, INC.

# The supreme pure class A integrated amplifier

## Further advanced top class reference model for a new generation



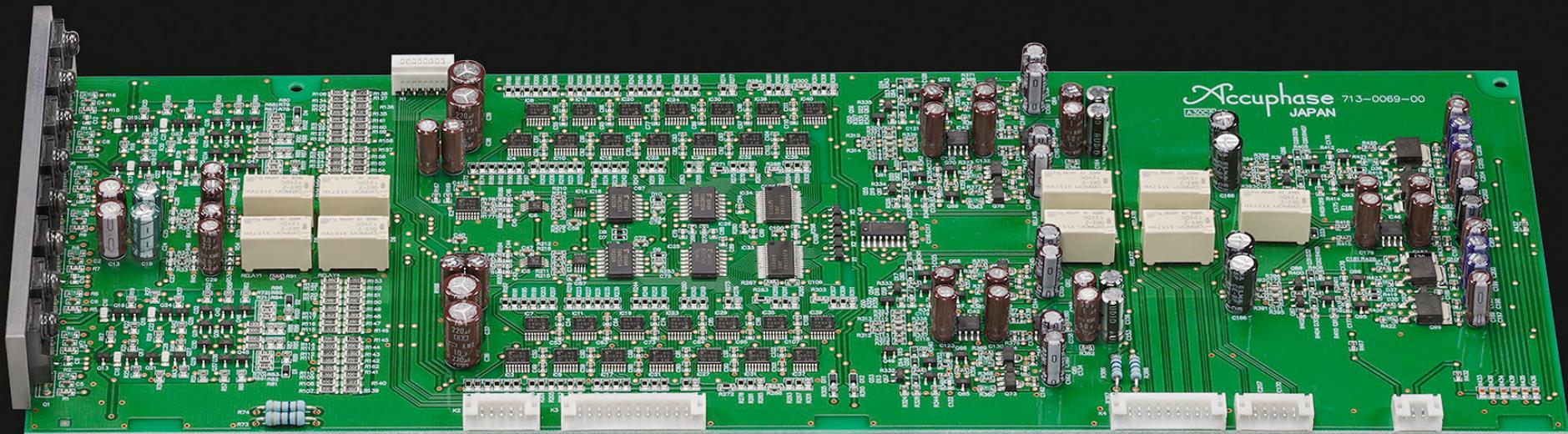
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# Balanced AAVA type volume control

Featuring the balanced AAVA system of the C-3850 in a condensed format

Completely balanced signal transmission throughout, from preamplifier to power amplifier

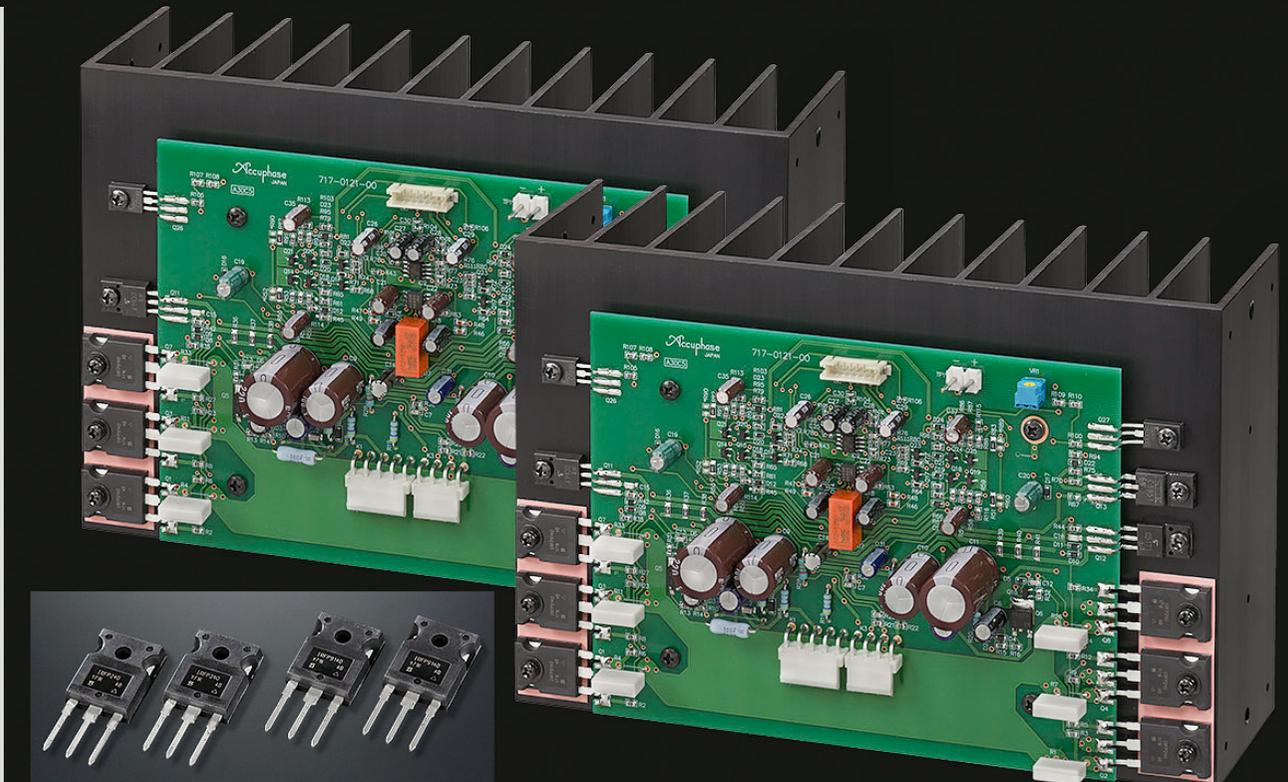
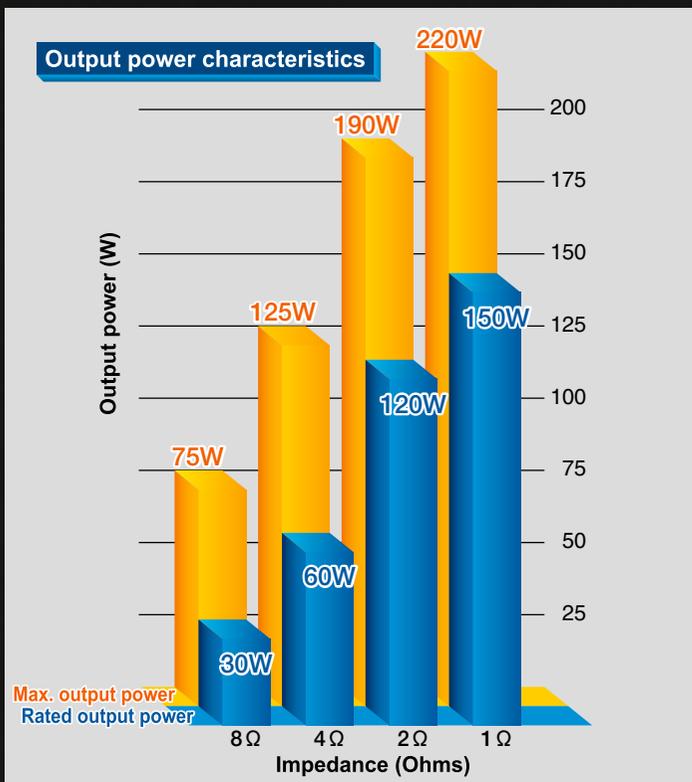
Input amplifier and I/V conversion amplifier employ discrete configuration (individual parts) for lowest noise



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# Power MOS-FETs in triple parallel push-pull configuration

Ample power per channel: 120 watts into 2 ohms, 60 watts into 4 ohms, 30 watts into 8 ohms



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# Drive capability rivaling that of separate type amplifiers

Damping factor 800

Damping factor improvement

+60%

**NEW**

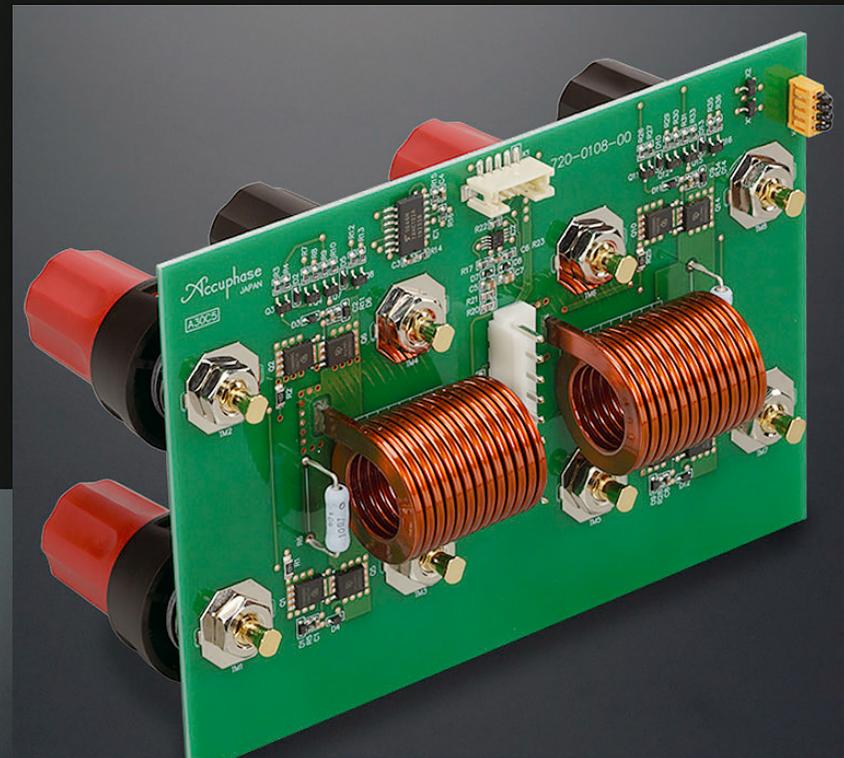
E-650

800

E-600

500

Use of MOS-FET switches with excellent long-term reliability and low On resistance as power amplifier output relays enables higher damping factor.



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# Hefty power supply bolsters sound quality

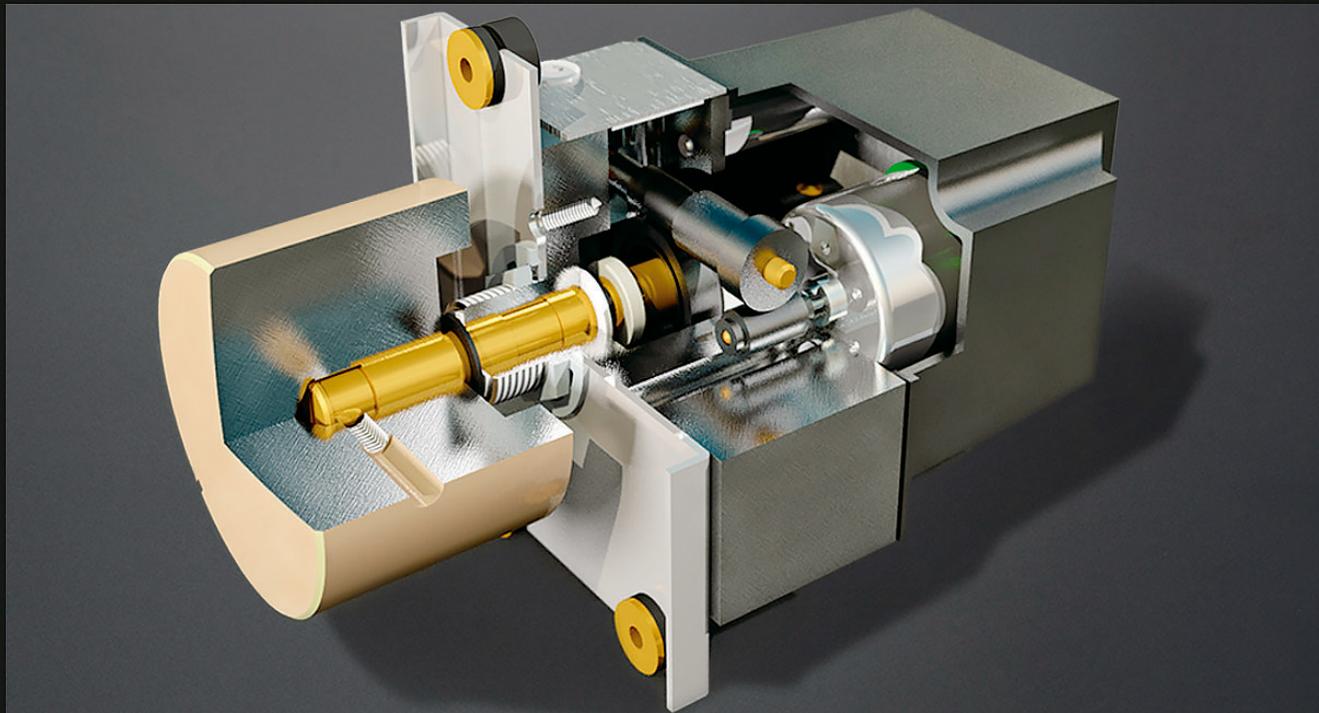
Custom-made parts selected on the basis of numerous listening tests



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# High-rigidity, high-accuracy volume knob sensor mechanism

Ultra-massive volume sensor unit manufactured in-house, same as for C-2850

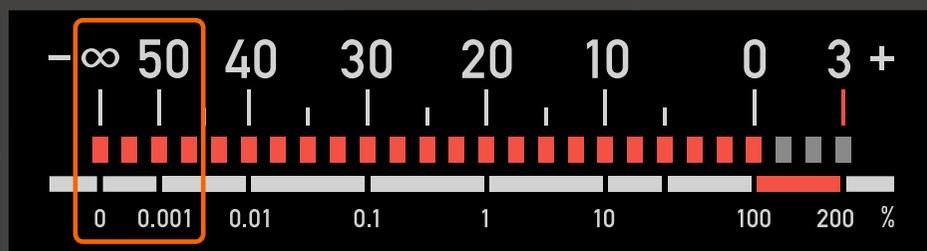


Solid thick brass shaft and housing extruded from aluminum block

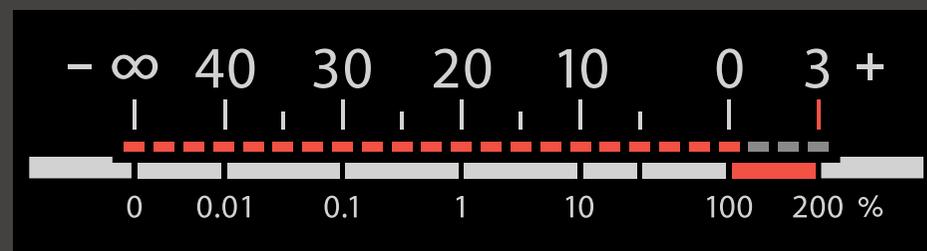
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# Usability

Meters indicate even very low levels, and the larger scale makes for better readability



**NEW E-650**



**Previously**

**Level/frequency display** \* Numeric indication of sampling frequency when DAC-50 is installed



**NEW E-650**



**Previously**

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# Combining ease of use with quality feel

Interface based on separate type amplifier reference model



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# Rear panel

Versatile arrangement of input and output connectors.

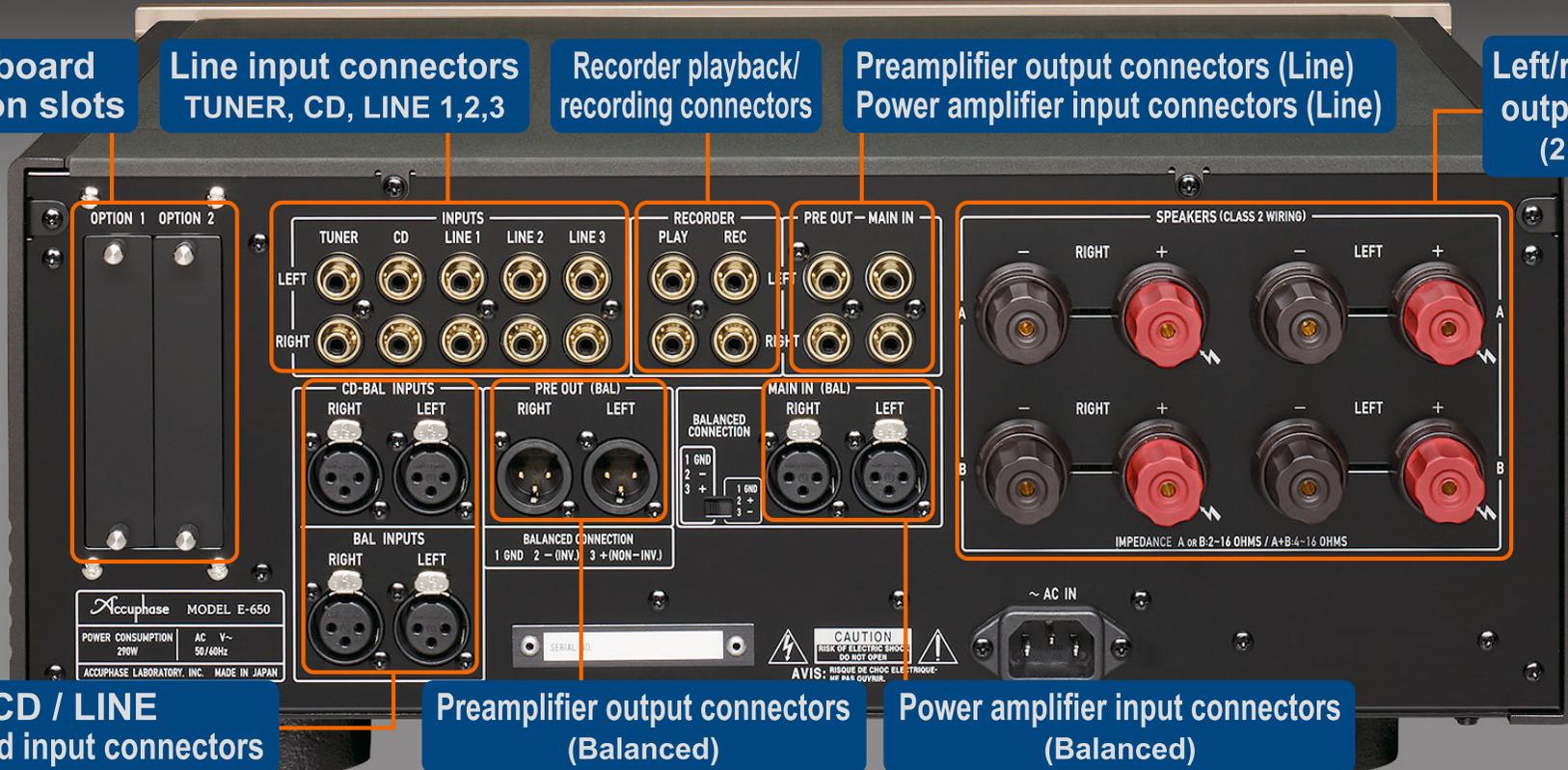
Option board installation slots

Line input connectors  
TUNER, CD, LINE 1,2,3

Recorder playback/  
recording connectors

Preamplifier output connectors (Line)  
Power amplifier input connectors (Line)

Left/right speaker  
output terminals  
(2 sets, A/B)



CD / LINE  
Balanced input connectors

Preamplifier output connectors  
(Balanced)

Power amplifier input connectors  
(Balanced)

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# Digital Input Board *DAC-50* with USB port

Supports up to 384 kHz / 32-bit PCM and 11.2 MHz DSD

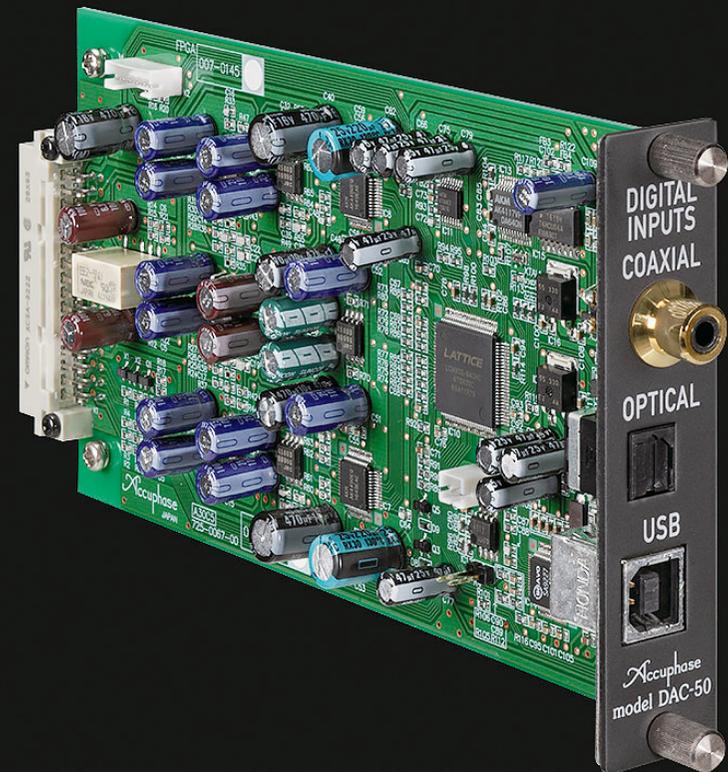
MDS type  
D/A converter

Filter amplifier with  
low-noise ANCC

COAXIAL  
192 kHz  
24-bit

OPTICAL  
96 kHz  
24-bit

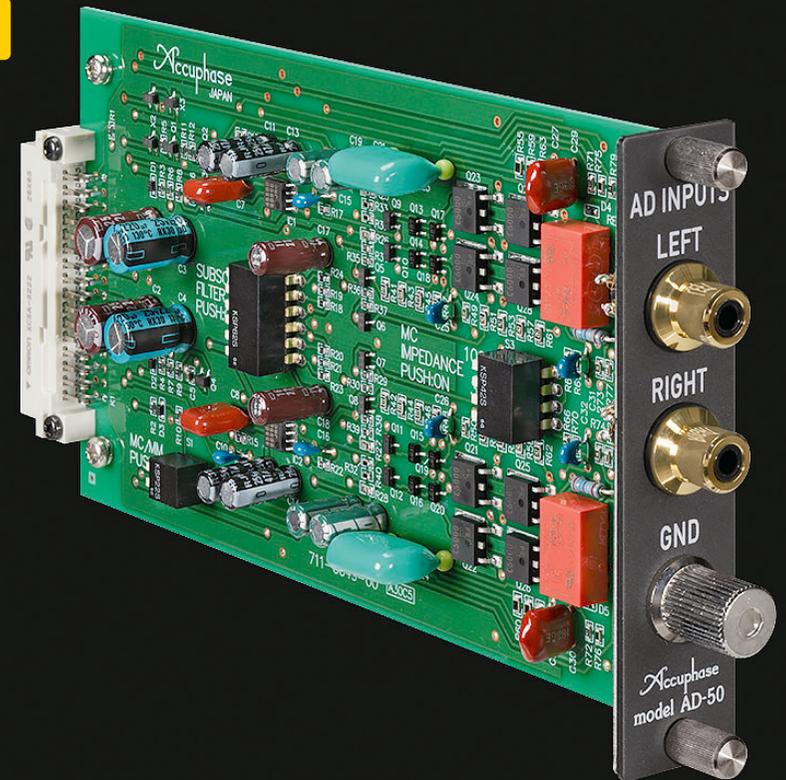
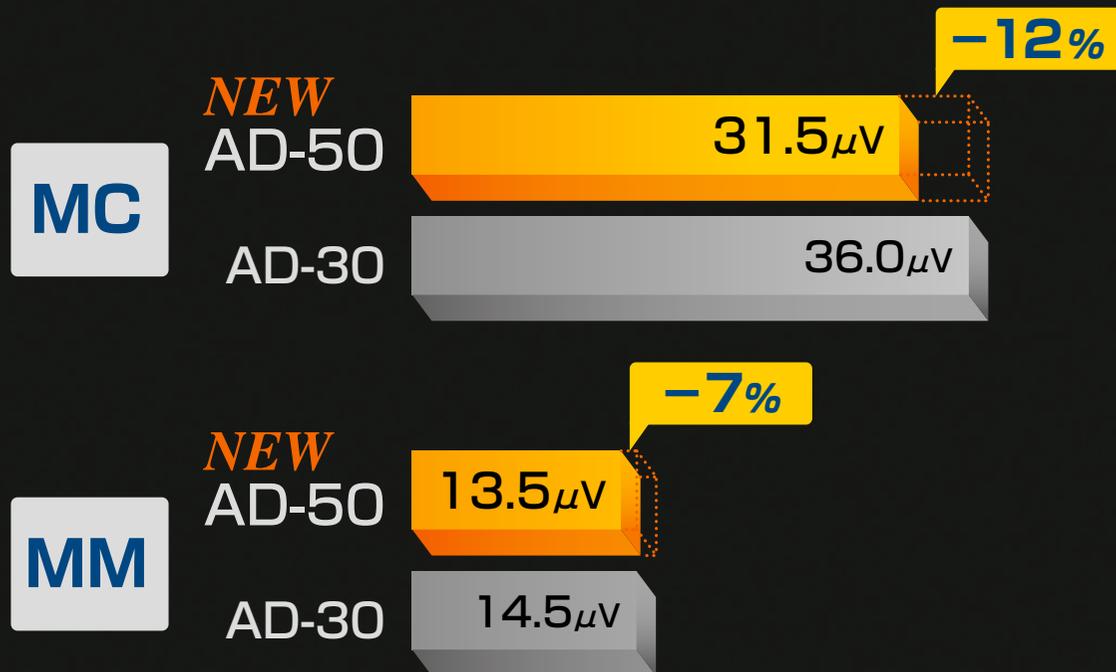
USB  
384 kHz, 32-bit /  
11.2 MHz (ASIO)



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# Analog Disc Input Board *AD-50*

Low noise characteristics on a par with stand-alone phono amplifier C-37



Actual measurement values for output noise

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