

# MDS COMPACT DISC PLAYER DP-470



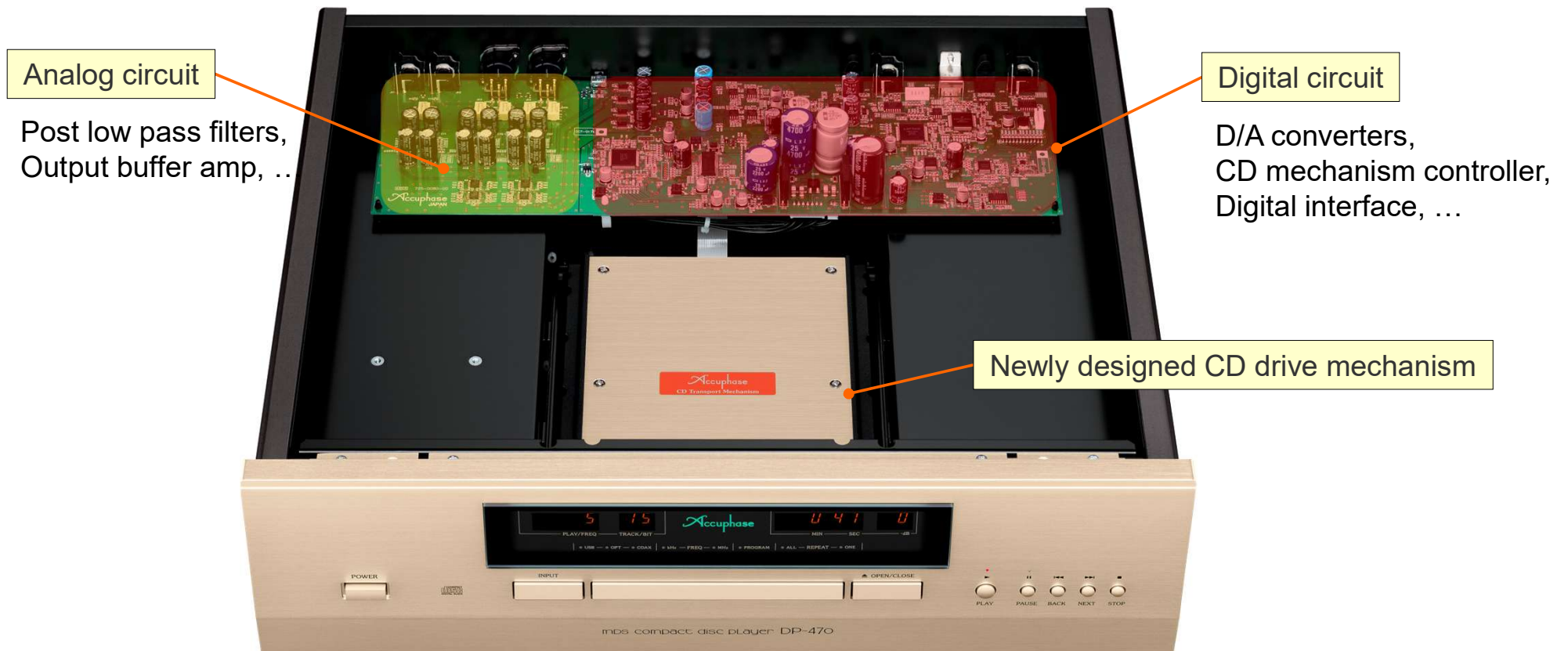
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# Dimension and weight

- Same unit dimensions as the former model

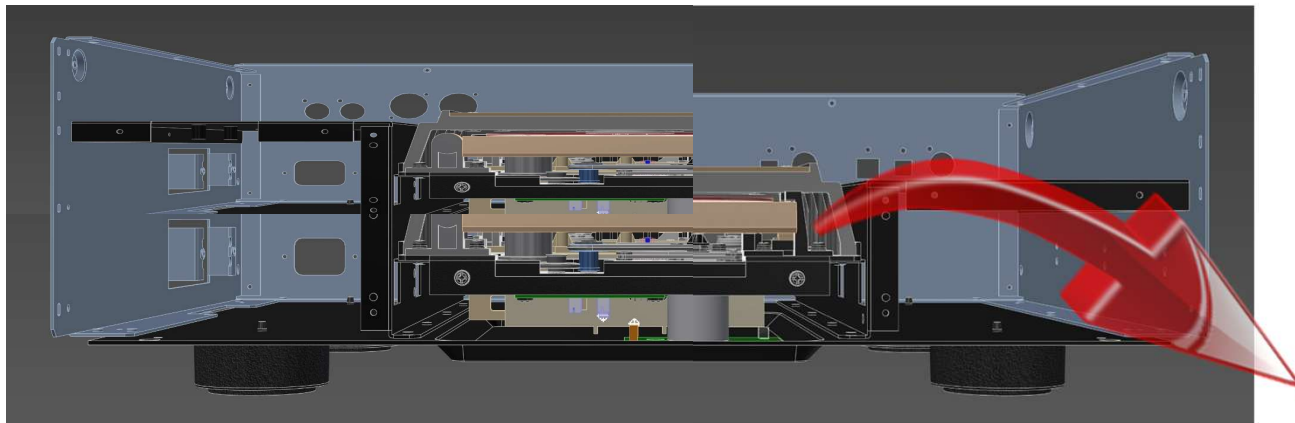


# Internal view



# Chassis structure

- A highly reliable drive mechanism that ensures stable operation
- Improved playability with the high-performance elastic damper



Chassis with a low center of gravity



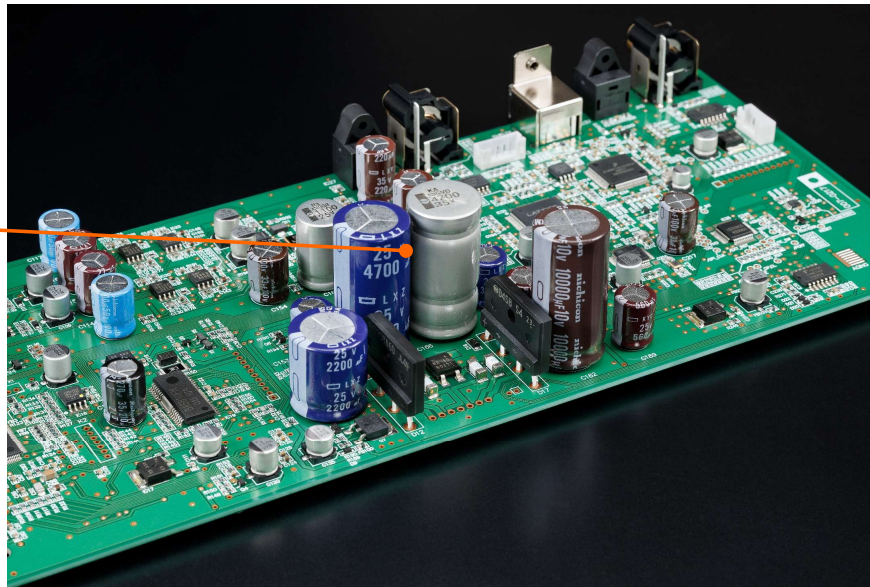
High-Performance Elastic Damper

CD Optical Unit

# Power Supply

- Power transformer with Separate Analog and Digital
- A low-noise discrete power supply is used for the analog section

Low noise power supply circuit



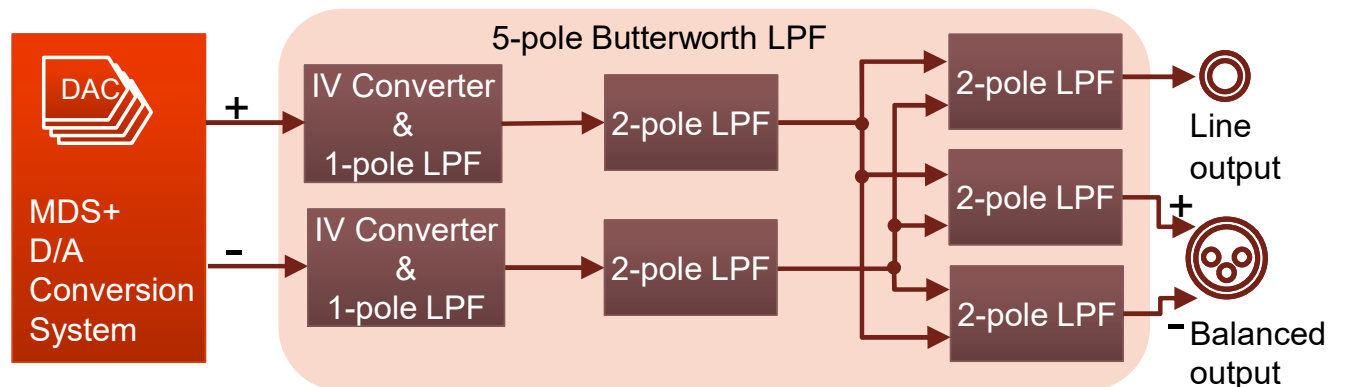
DAC Assembly

# D/A converter

- MDS+(Multiple Delta Sigma +) D/A conversion system
  - 4 parallel D/A converters per channel
  - ES9026PRO 32bit Hyper Stream II 8-channel DAC
- Direct Balanced Filter
  - Balanced connected independence post low pass filter

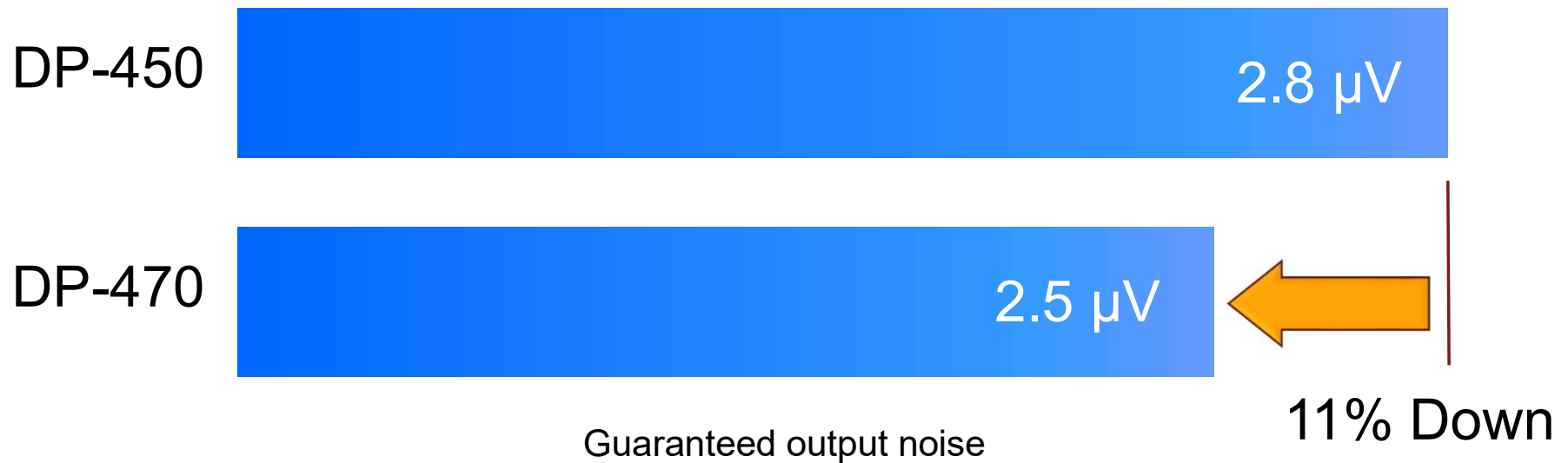


ES9026PRO SABRE DAC



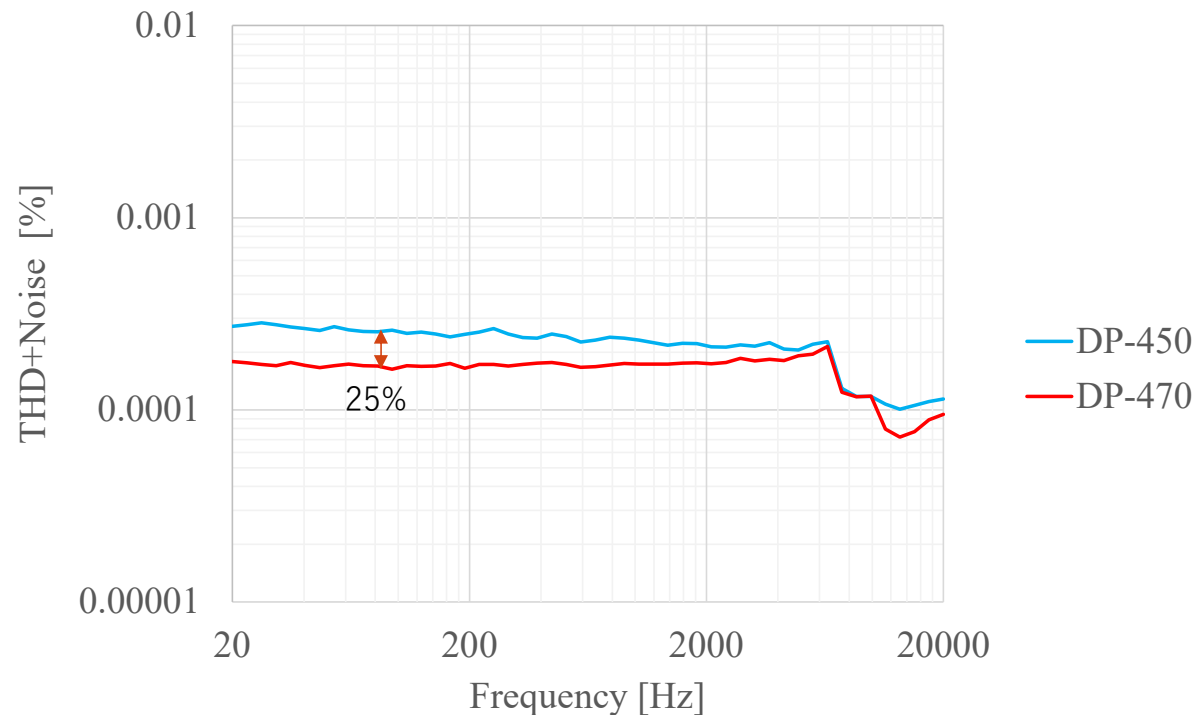
# Ultra low noise

- 11% lower than the former model
  - Guaranteed output noise: 2.5 $\mu$ V (S/N ratio: 120dB)



# Ultra low THD+Noise

- Actual THD+Noise is lower than the former model

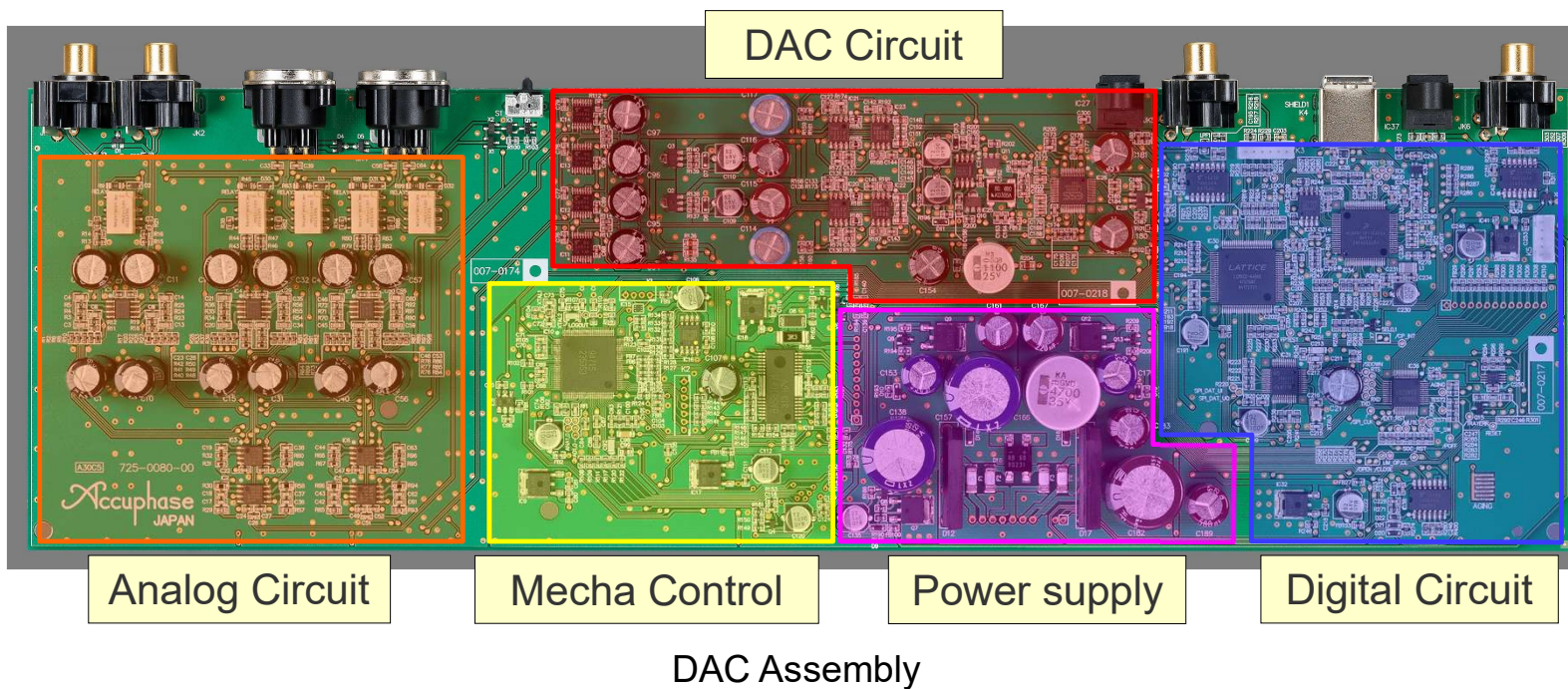


Total Harmonic Distortion + Noise vs Frequency



# Technology for ultra-low noise

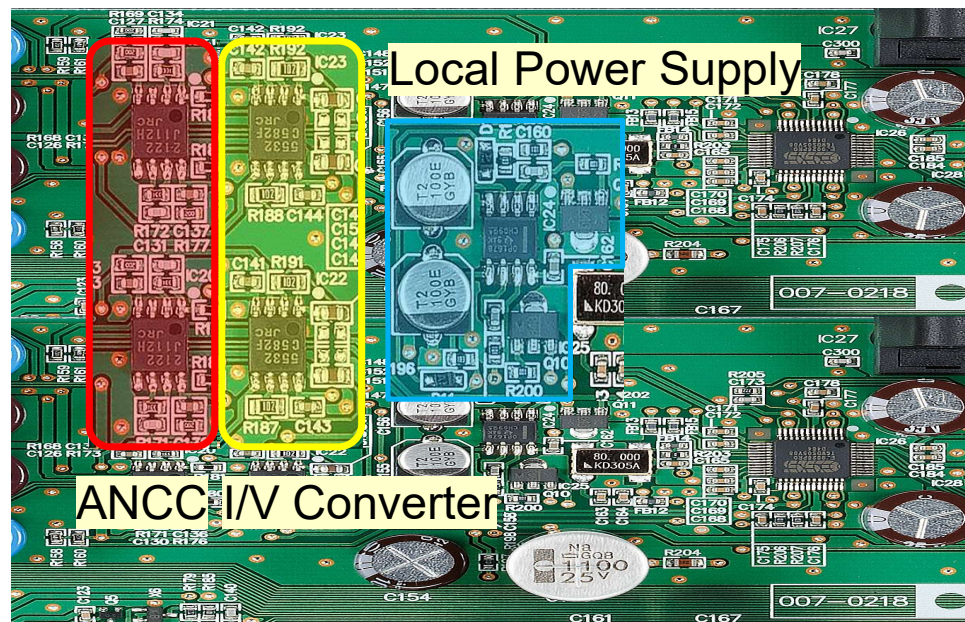
- Ideal component layout with separate digital and analog circuits



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# Technology for ultra-low noise

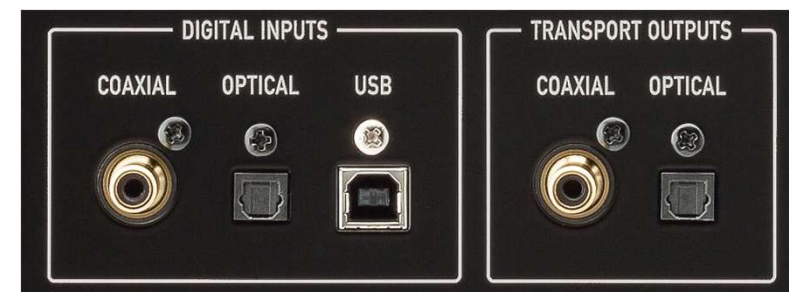
- Installed ANCC Technology for I/V Converter
  - Improve THD+N performance



## DAC Assembly

# Digital Inputs

- HS-LINK INPUT / OUTPUT
  - Version1: 192kHz / 24bit, 2.8MHz / 1bit
  - Version2: 384kHz / 32bit, 5.6MHz / 1bit
- Coaxial INPUT / OUTPUT
  - 192kHz / 24bit
- Optical INPUT / OUTPUT
  - 96kHz / 24bit
- USB-B INPUT
  - 384kHz / 32bit
  - 11.2MHz / 1bit (DoP / ASIO)
  - 22.5MHz / 1bit (ASIO)



Digital Terminals



USB Interface IC

# Appendix “ANCC”

- ANCC: Accuphase Noise and distortion Canceling Circuit
  - To detect and cancel the noise and distortion at the input stage of I-V converter.

