

Electrical Specifications

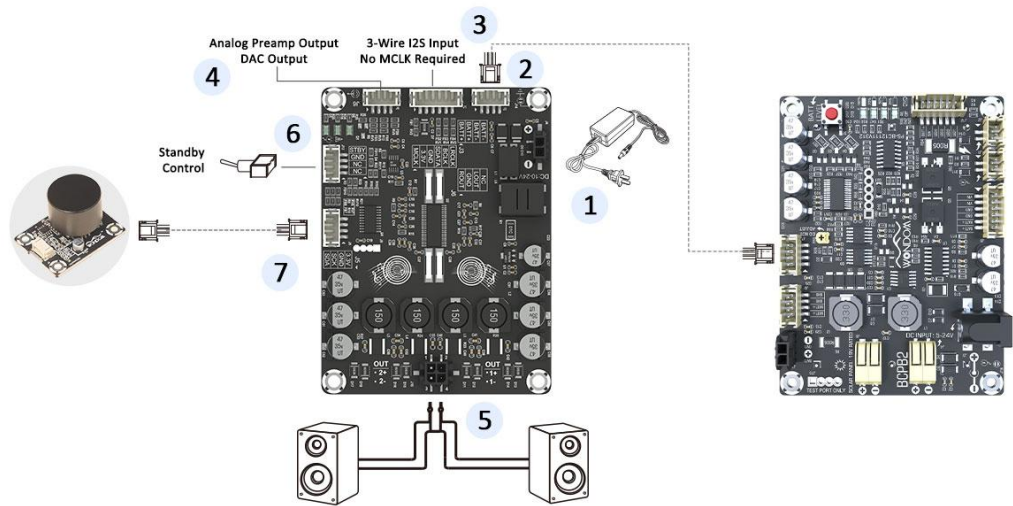
Specifications typical @ +25°C, Powered by 24V DC, unless otherwise noted. Specifications subject to change without notice.

Parameter(s)	Conditions	Min.	Typ.	Max.	Unit (s)
Power Supply		5.0	24	26.4	V
Idle Power	@4Ω	0.86	0.96	1.05	W
Maximum Current	@4Ω	-	5	-	A
Efficiency	@4Ω	-	70.8	-	%
Load Impedance		2	4	8	Ω
Switching Frequency	48kHz 24bits	-	700	-	kHz

Audio Performance

Specifications typical @ +25°C, Powered by 24V DC, unless otherwise noted. Specifications subject to change without notice.

Parameter(s)	Conditions	Min.	Typ.	Max.	Unit (s)
Gain	@4Ω, 1kHz, 1W	-	27.9	-	dBFS
Output Power	@4Ω, 1kHz	-	50	-	Watt
Bandwidth	@4Ω ±3dB	20	-	20k	Hz
THD	@4Ω, 1W	-	0.037	-	%
Output Noise Level	@4Ω, A-Wt	-	75	-	uVrms
SNR	@4Ω, A-Wt	-	103.6	-	dB



Power Supply

- 1 DC10-24V Power Supply
- 2 Battery Power with BCPB Battery Board

Audio Input

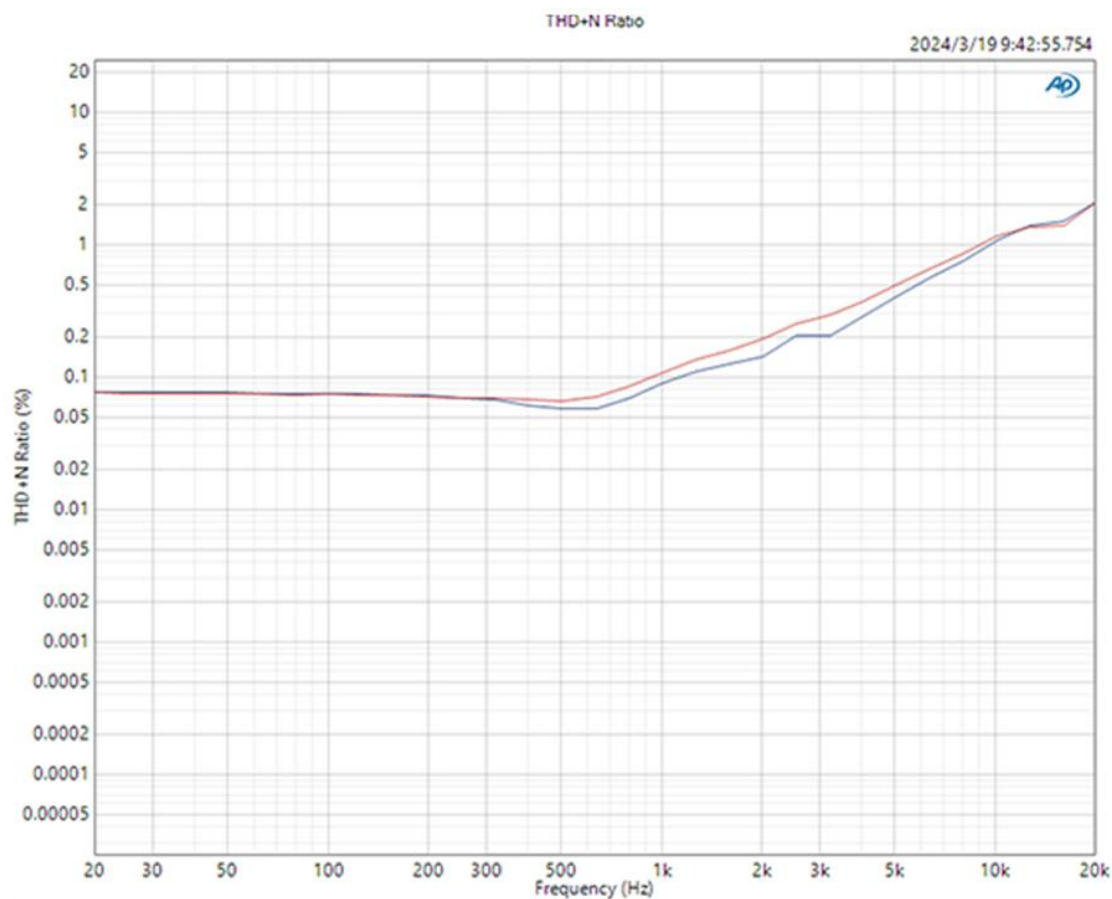
- 3 3-Wire I2S Input, No MCLK Required

Output

- 4 DAC Output, Analog Preamp Signal
- 5 Stereo 50W Speaker Output

Control

- 6 Standby Control
- 7 External Volume Control



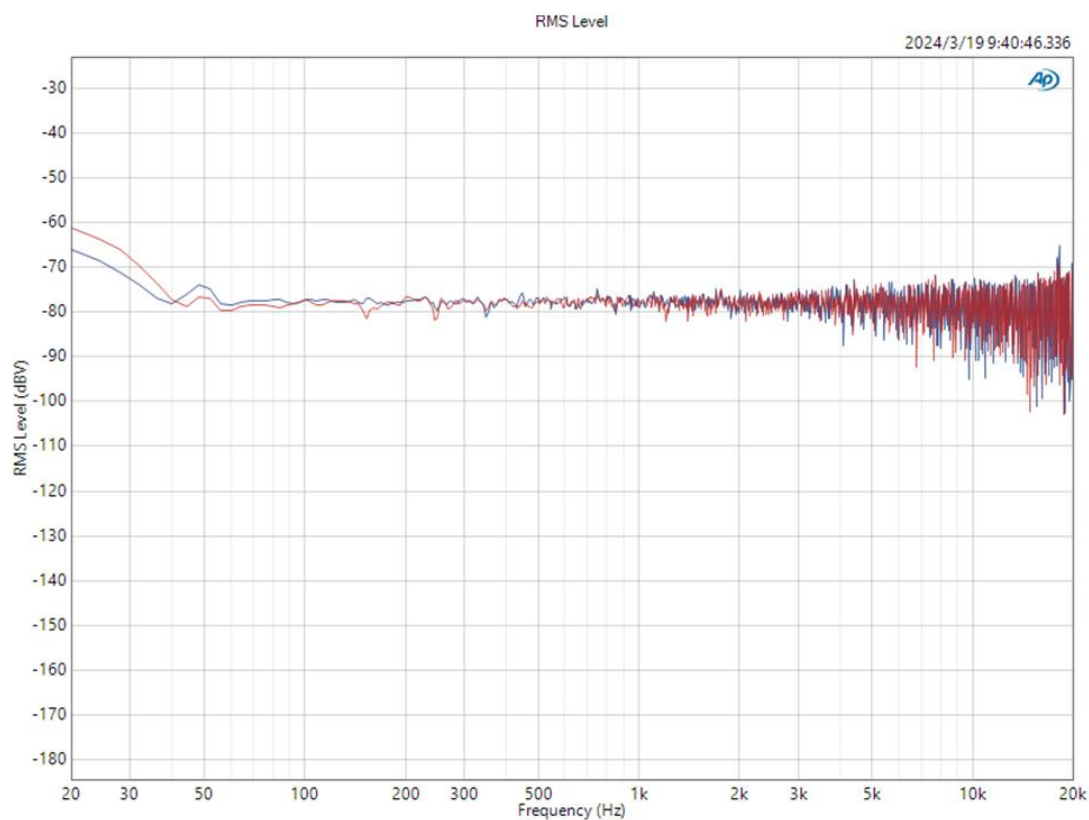
THD+N Ratio

VDD = 24V

Pout = 1W

Rload = 4Ω

BW = 20Hz-20kHz



Noise Floor

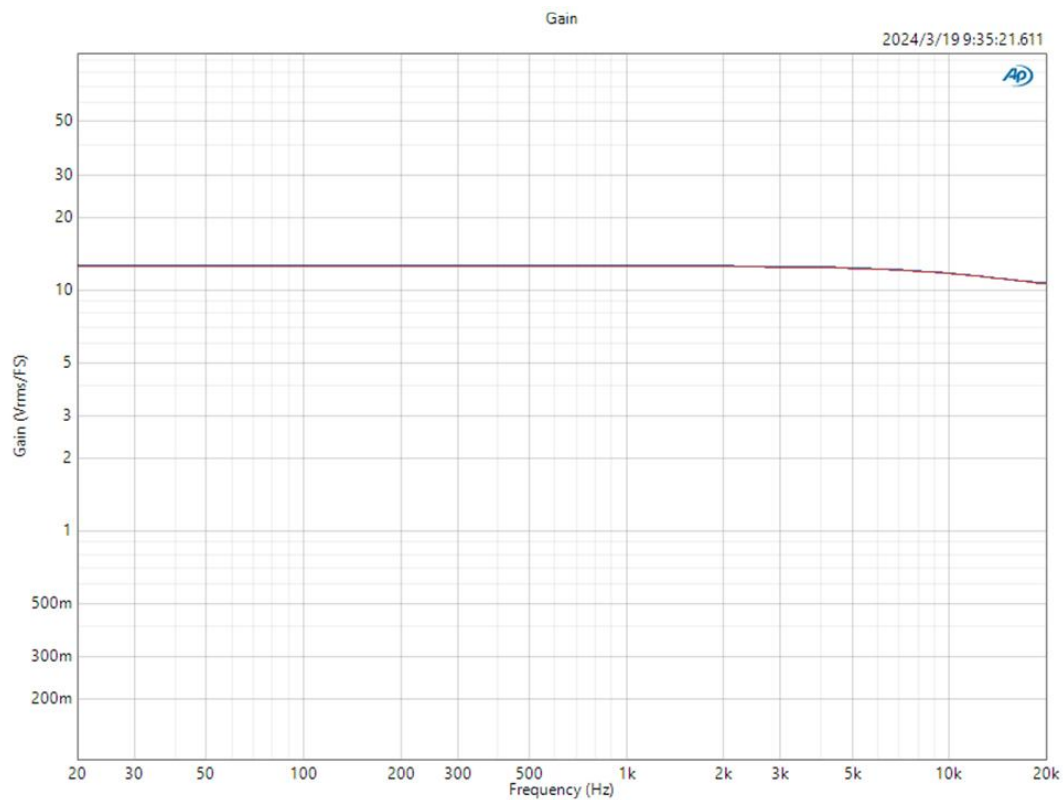
VDD = 24V

Rload = 4Ω

A-weighting Filter

No Signal Input

BW = 20Hz-20kHz



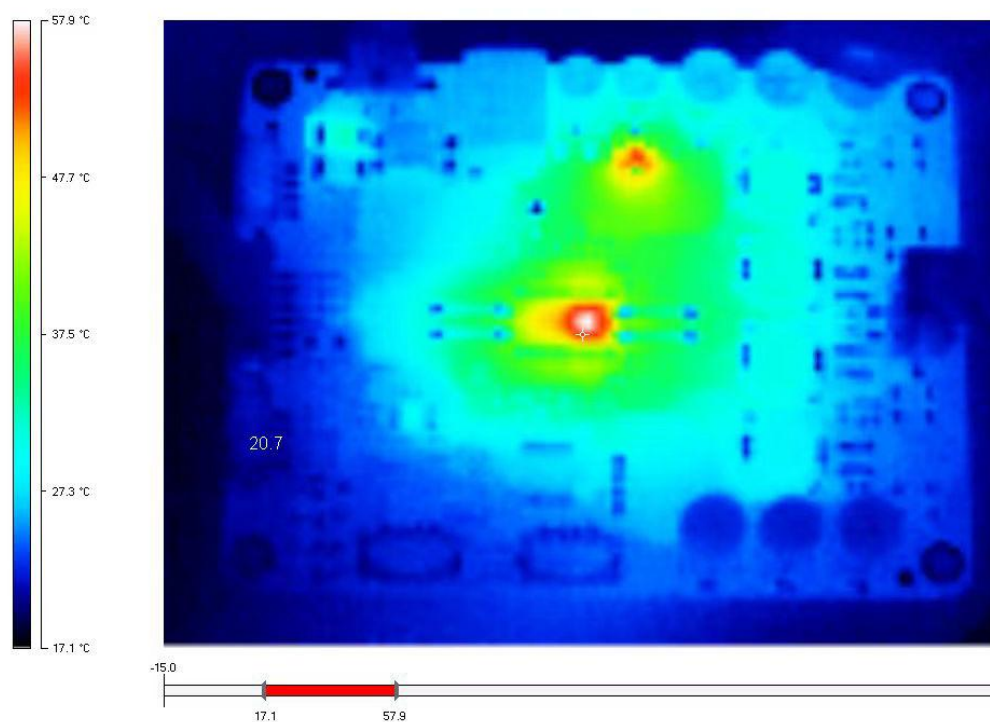
Frequency Response

VDD = 24V,

Pout = 1W,

Rload = 4Ω

BW = 20Hz - 20kHz



Burn-in Test

VDD = 24V

Pout = 1W,

Rload = 40Ω

Test for 3 Minutes

Ta=59.4°C