ZEN CAN Signature MZ99

Tech Lowdown

Special By Design

- ActivEQ is an exact match for Meze 99 Classic headphones
- End-to-end True Differential balanced circuitry
- Premium parts selection drawn from the £3,000 Pro range

Features

- Adjustable gain to match other headphones
- XSpace analogue headphone
- 4.4mm balanced output

ActivEQ

The Meze 99 Classic headphones

- Offers exceptional tonality
- Delivers outstanding dynamic expression

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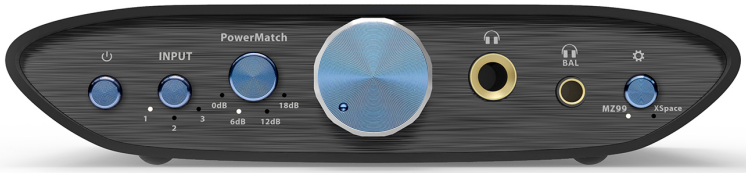
- Adjusts the treble for more vivaciousness
- Enhances the mid-low bass to extract the last drop of sonic goodness

ActivEQ

- EQ curve precisely matched
- Active and passive components
- Performed in the analogue domain
- Unmatched noise reduction
- SNR and distortion are unaffected

  ActivEQ can be switched off to use with other headphones.

Frequency Response
20Hz to 20KHz



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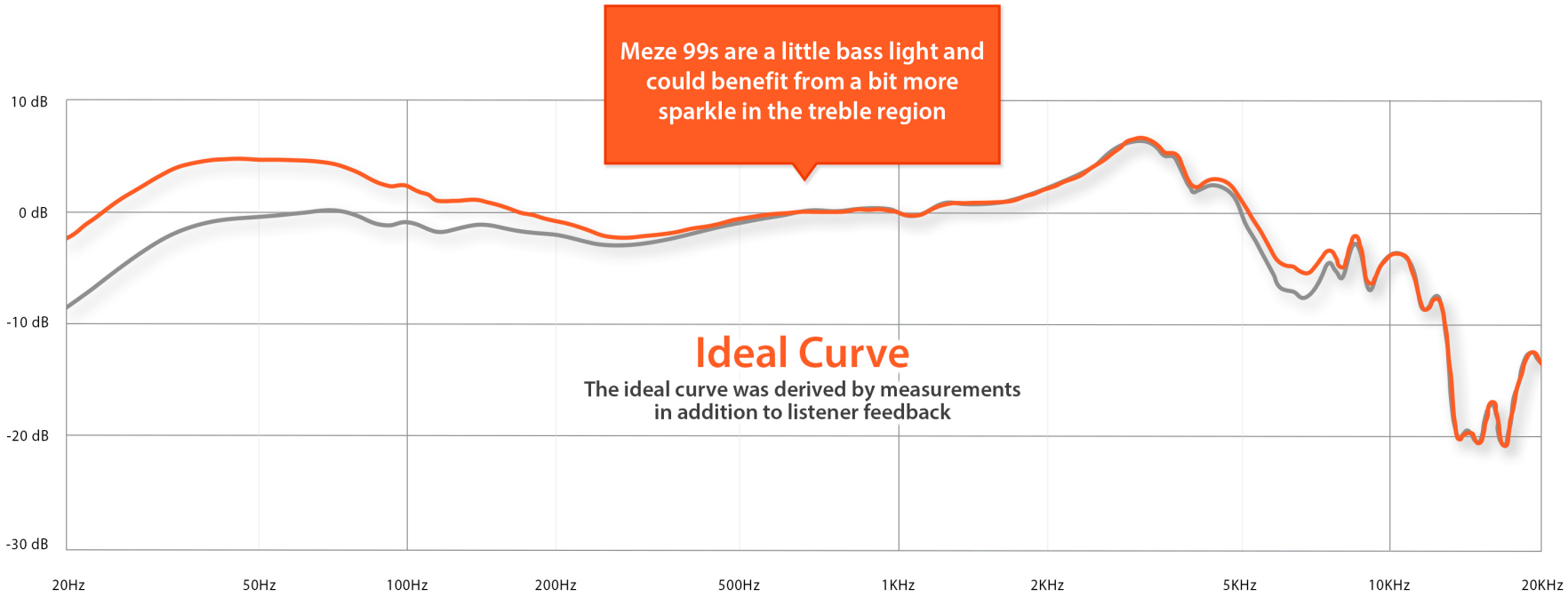


MEZE AUDIO

Headphones Compatibility List

Meze 99 Classics
Meze 99 Neo
Meze 99 by Drop

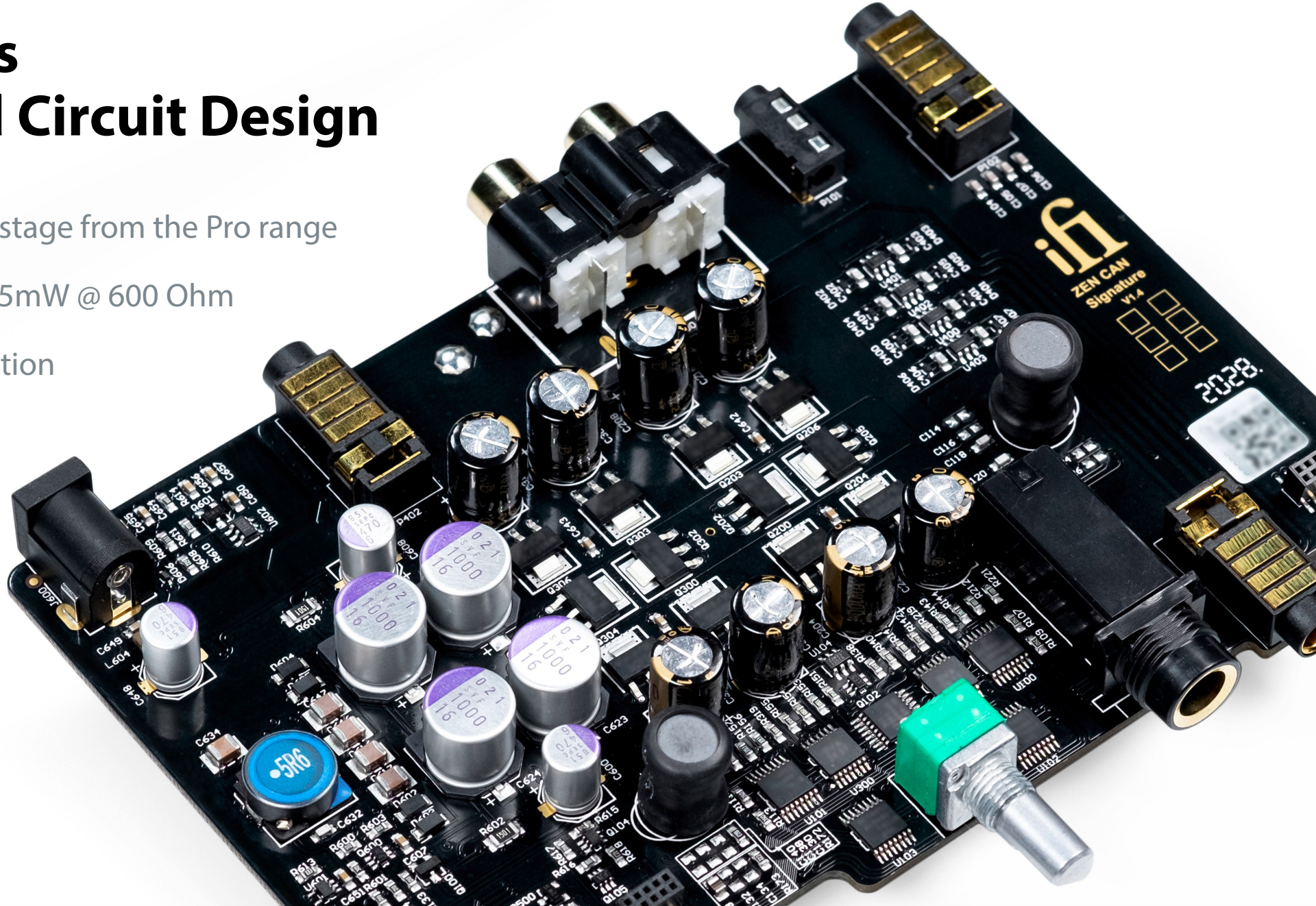
ZEN CAN Signature MZ99 + Meze 99 Headphones

Meze 99 Headphones

ifi

Pro Series
High-End Circuit Design

- Class A output stage from the Pro range
- Drives 15V / 385mW @ 600 Ohm
- <0.006% distortion



Superior Design and Components

Panasonic OS-CON
Excellent noise reduction capability and frequency characteristics

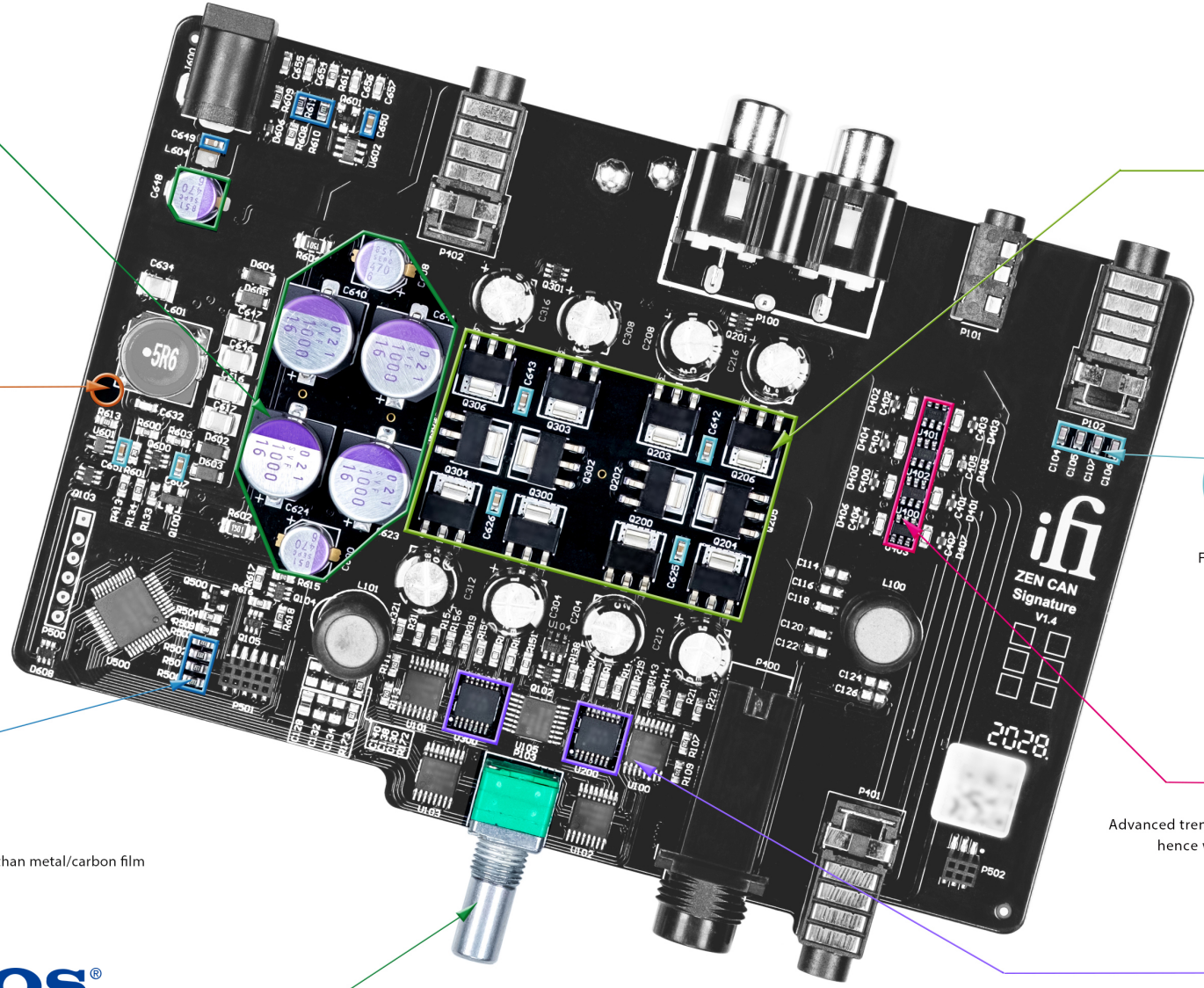
Texas Instruments
Precision low-noise power supply

ELNA®
Elna Silmic II capacitors

muRata
INNOVATOR IN ELECTRONICS
Murata Low-ESR high Q multilayer capacitor

Balanced

Balanced circuit



Black military spec PCB

TDK
COG capacitors
For audio use with extremely low distortion

Thin Film Resistors
Power noise & distortion than metal/carbon film

MOSFET
Advanced trench technology MOSFET as muting switch hence when not in use doesn't affect the sound.

TOCOS®
Tokyo Cosmos Electric Co., Ltd.
Tokyo Cosmos Electric potentiometer

Low noise/distortion OV2637A (0.0001%)
Performance quals/surpasses many high-end headphone amplifiers

XSPACE

- XSpace – analogue headphone spatialiser.
- This opens up your music to give you the spaciousness of a live-concert atmosphere.

Specifications

Input Voltage	5V/2.5A	
Max Output	Balanced	>15.1V/385 mW (@ 600 Ohm)
		>11.0V/1890 mW (@ 64 Ohm)
		>6.2V/1200 mW (@ 32 Ohm)
	Single-Ended	>7.6V/98mW (@ 600 Ohm)
		>7.4V/870 mW (@ 64 Ohm)
		>7.2V/1600 mW (@ 32 Ohm)
THD&N	Balanced	<0.006% (@ 360 mW/2.4V 16 Ohm)
	Single-Ended	<0.005% (@ 100 mW/1.27V 16 Ohm)
SNR	Balanced	>121dBA (@ 15.2V)
	Single-Ended	>120dBA (@ 7.6V)

Max Output	Balanced	7.4V RMS
	RCA	3.8V RMS
	3.5mm	1.92V RMS
Gain	0dB, 6dB, 12dB and 18dB	
Frequency Response	10Hz - 200kHz (-3dB)	
Power consumption	No Signal ~5W	
	Max Signal ~12W	
Dimensions	158 x 117 x 35 mm	
	6.2" x 4.6" x 1.4"	
Net weight	550 g	
	1.21 lbs	

Specifications

Line Section		
Outputs	Balanced	6.7V max. (variable)
	UnBAL	3.5V max. (variable)
Output Impedance	Balanced	≤200Ω
	UnBAL	≤100Ω
SNR	Balanced	<110dB(A) @ 0dBFS
	UnBAL	<110dB(A) @ 0dBFS
THD+N	Balanced	<0.007% @ 0dBFS
	UnBAL	<0.015% @ 0dBFS

Headphone Section		
Outputs	Balanced	6.7V max. @ 600 Ω
	UnBAL	3.5V max. @ 600Ω
Output Power	Balanced	>1000mW @ 32Ω; >74mW @ 600Ω
	UnBAL	>320mW @ 32Ω; >40mW @ 300Ω
Output Impedance	Balanced	<1Ω
	UnBAL	<1Ω
SNR	Balanced	<116dB(A) @ 0dBFS
	UnBAL	<115dB(A) @ 0dBFS
THD+N	<0.005% (1V @ 16Ω)	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