

Analog Performance Characteristics

Parameter	Minimum	Typical	Maximum	Units
Line Outputs				
Full Scale Output Voltage	1.0			Vrms
Dynamic Range (measured with -60 dBFS signal present)		97		dBFS
Total Harmonic Distortion + Noise (THD + N), measured at -3 dBFS		-90	-93	dB
Channel Crosstalk		-84		dBFS
Analog Frequency Response (+/- 3 dB at 20 Hz, +/- 1 dB at 20000 Hz)	20		20000	Hz
Headphone Output				
Full Scale Output Voltage		1.0		Vrms
Dynamic Range (measured with -60 dBFS signal present)		97		dBFS
Total Harmonic Distortion + Noise (THD + N), measured at -3 dBFS		-85		dB
Channel Crosstalk		-75		dBFS
Analog Frequency Response (+/- 3 dB at 20 Hz, +/- 1 dB at 20000 Hz)	20		20000	Hz
Class-D Speaker Amplifier Outputs				
Full Scale Output Voltage (into 4 Ω)	2.83	2.90	3	Vrms
Dynamic Range (measured with -60 dBFS signal present)		92		dBFS
Total Harmonic Distortion + Noise (THD + N, measured at -3 dBFS)		-70		dBFS
Analog Frequency Response (+/- 3 dB at 20 Hz, +/- 1 dB at 20000 Hz)	20		20000	Hz
Efficiency (Measured at 1 W/Ch)		85		%
Line Inputs				
Full Scale Input Voltage	1.0			Vrms
Dynamic Range (measured with -60 dBFS signal present)		89		dBFS
Total Harmonic Distortion + Noise (THD + N), measured at -3 dBFS		-87		dB
Channel Crosstalk		-84		dBFS
Analog Frequency Response (+/- 3 dB at 200 Hz, +/- 1 dB at 20000 Hz)	200		20000	Hz
Microphone Inputs				
Full Scale Input Voltage (With 20 dB boost)	0.1			Vrms
Full Scale Input Voltage (With boost off)	1.0			
Dynamic Range (measured with -60 dBFS signal present)		89		dBFS
Total Harmonic Distortion + Noise (THD + N), measured at -3 dBFS		-83.4		dBFS
Channel Crosstalk (measured at 1 kHz, 0 dB gain)		-84		dBFS
Analog Frequency Response (+/- 3 dB at 200 Hz, +/- 1 dB at 20000 Hz)	200		20000	Hz

Ordering Information

Model/Order/Part Numbers			Audio Codec Package Type	Supported Functions	
Device Set Order Number	Audio Codec Part Number	Codec Revision		Number of DACs/ADCs	Digital Mic
CX20672-21Z	CX20672	-21Z	40-QFN	4/6	2

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