

15"- 100W Ceramic Guitar Loudspeaker

C 15 N - 4 Ω

Code ZJ07040

GENERAL CHARACTERISTICS

Nominal Overall Diameter	385	mm
Nominal Voice Coil Diameter	38	mm
Magnet Weight	810	g
Flux Density.....	1.00	T
Weight	4.15	Kg

THIELE-SMALL PARAMETERS

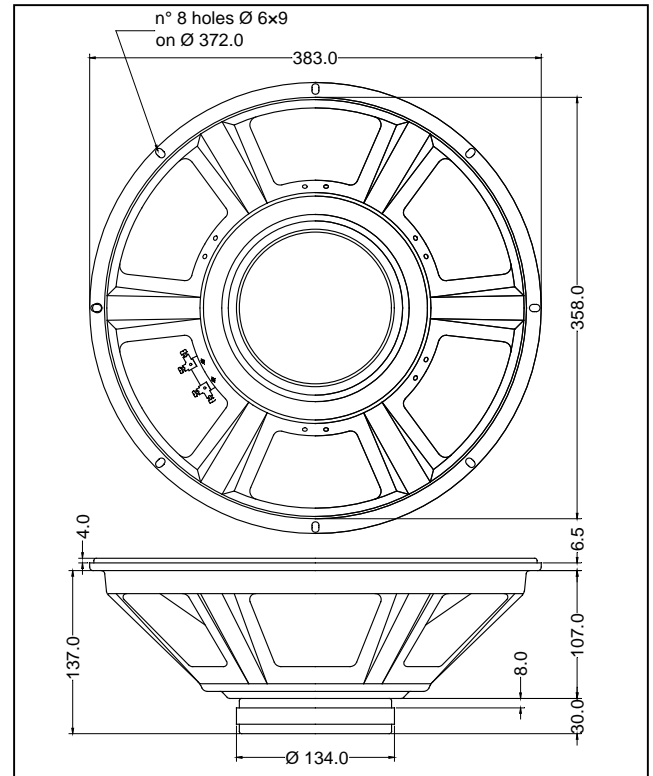
Voice Coil DC Resistance	R_E	3.10	Ω
Resonance Frequency	f_s	76.0	Hz
Mechanical Q Factor.....	Q_{MS}	7.77	
Electrical Q Factor.....	Q_{ES}	1.16	
Total Q Factor	Q_{TS}	1.01	
Mechanical Moving Mass	M_{MS}	53.0	g
Mechanical Compliance	C_{MS}	83	μm/N
Force Factor	$B \times l$	8.25	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	66.6	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.5	mm
Reference Efficiency	η_0	2.43	%
Diaphragm Area	S_D	754.8	cm ²
Losses Electrical Resistance.....	R_{ES}	20.9	Ω
Voice Coil Inductance @ 1kHz	L_E	0.58	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Kapton
Cone	Paper
Surround.....	Paper - Integrated
Dust Dome	Solid Paper
Basket	Pressed Sheet Steel

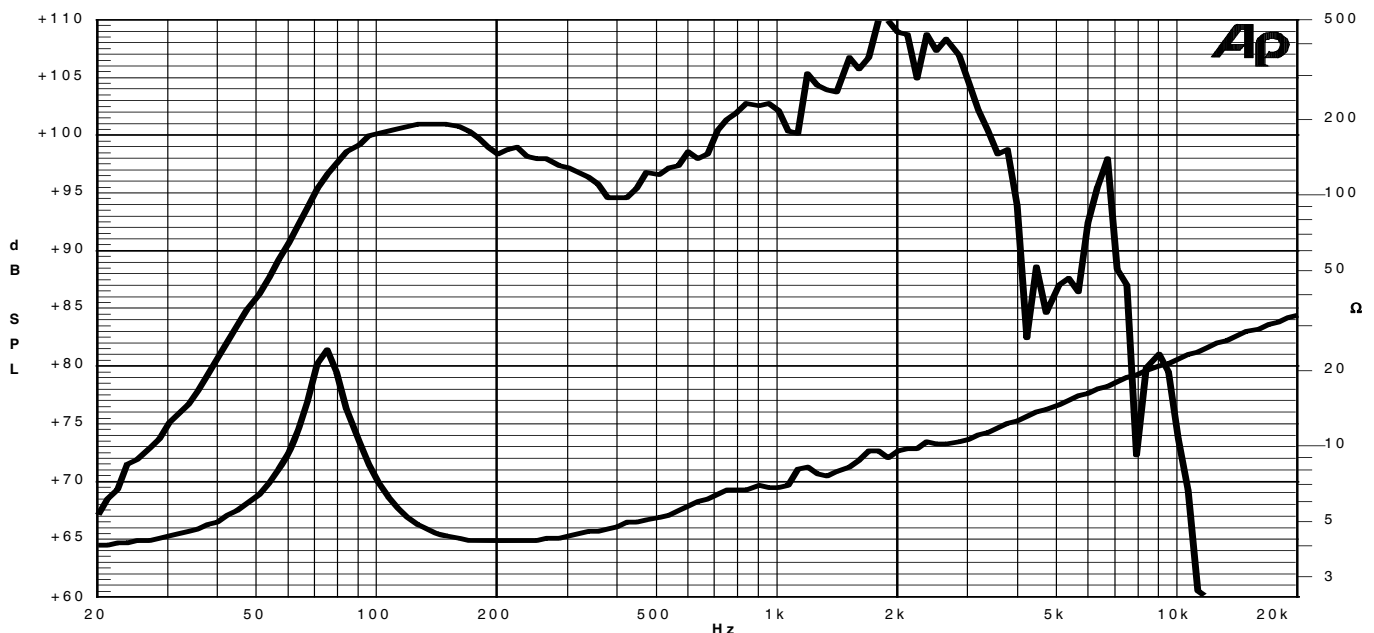
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power	100	W
Rated Power*	50	W
Sensitivity @ 1 W, 1 m	97.2	dB



*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure
Thiele-Small parameters measured with LASER system

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Free Air Impedance



Due to continuing product improvement, the features and the design are subject to change without notice.

16/05/14