

12" - 140W Ceramic Guitar Loudspeaker

C 12/70 EL - 16 Ω

Code ZJ06385

GENERAL CHARACTERISTICS

Nominal Overall Diameter	307	mm
Nominal Voice Coil Diameter	50	mm
Magnet Weight	1450	g
Flux Density.....	1.15	T
Weight.....	4.50	Kg

THIELE-SMALL PARAMETERS

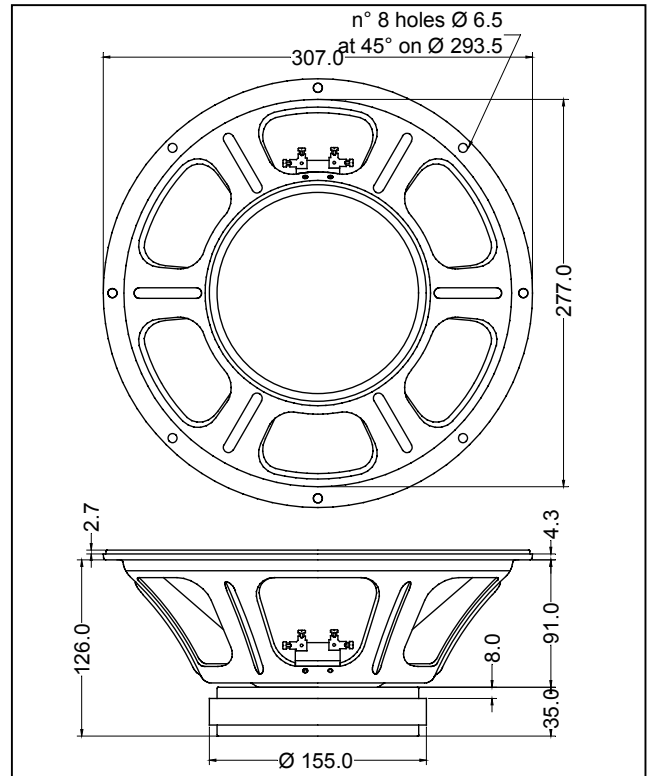
Voice Coil DC Resistance	R_E	11.94	Ω
Resonance Frequency	f_s	93.0	Hz
Mechanical Q Factor.....	Q_{MS}	14.50	
Electrical Q Factor.....	Q_{ES}	0.93	
Total Q Factor	Q_{TS}	0.88	
Mechanical Moving Mass	M_{MS}	28.3	g
Mechanical Compliance	C_{MS}	103	μm/N
Force Factor	$B \times l$	14.56	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	35.3	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.0	mm
Reference Efficiency	η_0	2.92	%
Diaphragm Area	S_D	490.9	cm ²
Losses Electrical Resistance.....	R_{ES}	185.7	Ω
Voice Coil Inductance @ 1kHz	L_E	0.80	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Aluminium
Voice Coil Former.....	Kapton
Cone	Paper
Surround.....	Paper - Integrated
Dust Dome	Non Treated Cloth
Basket	Pressed Sheet Steel

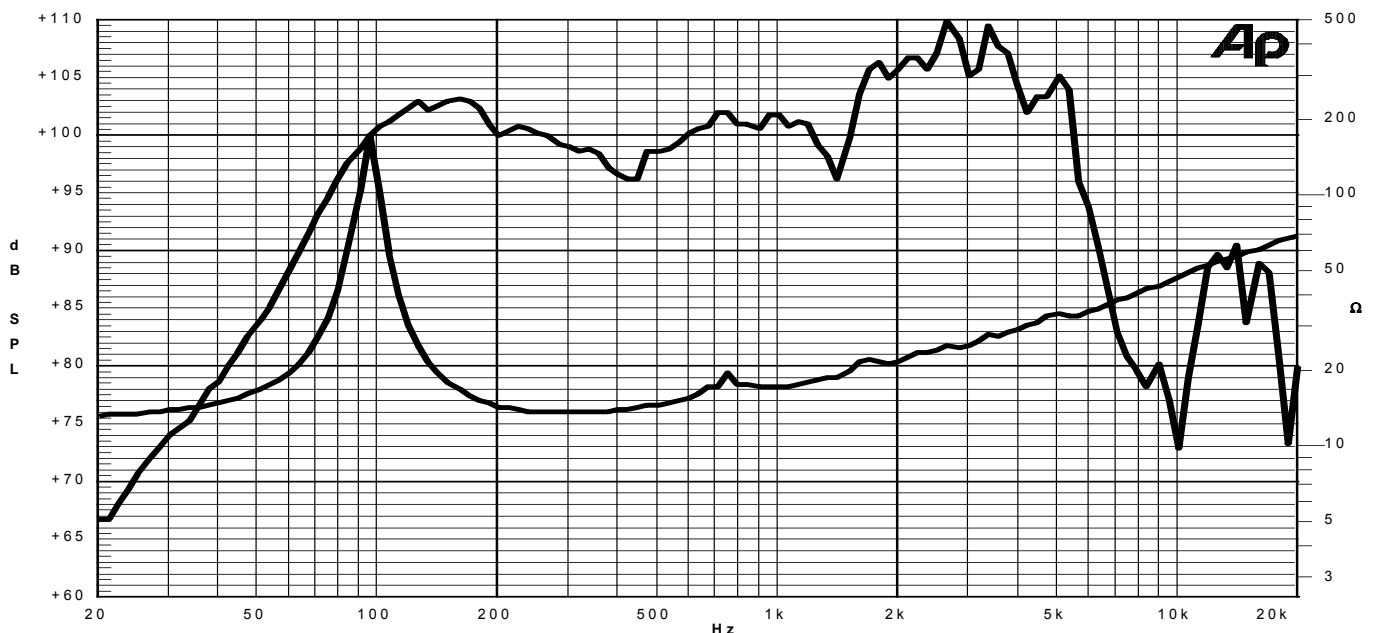
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	16	Ω
Musical Power	140	W
Rated Power*	70	W
Sensitivity @ 1 W, 1 m	98.1	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.

15/07/11