

MSF051.22

Lavoce

5" MIDRANGE

FERRITE MAGNET
STEEL BASKET DRIVER

- 1.25 INCH CCAW VOICE COIL
- 92 dB/SPL SENSITIVITY
- 140 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN



GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	130 (5)
Nominal impedance	Ω	8
Minimum impedance	Ω	6,4
Program power (1)	W	140
AES Power rating (2)	W	70
Sensitivity (3)	dB	92
Frequency range	Hz	140 ÷ 10000
Voice coil diameter	mm (in.)	32 (1.25)
Chassis material	Steel	
Magnet material	Ferrite	
Magnet dimensions	mm (in.)	100 x 40 x 15 (3.94 x 1.57 x 0.59)
Coil material	CCA W	
Former material	Polyimide	
Cone material	Water Resistant Treated Paper	
Surround material	Polycotton	
Xmax (4)	mm (in.)	3,1 (0.12)
Xmech (5)	mm (in.)	4,9 (0.19)
Gap height	mm (in.)	5 (0.2)
Voice coil winding height	mm (in.)	8,7 (0.34)
Driver displacement volume	l (ft ³)	0,4 (0.01)
Recommended enclosure	l (ft ³)	4,91 (0.17)
Recommended tuning	Hz	115

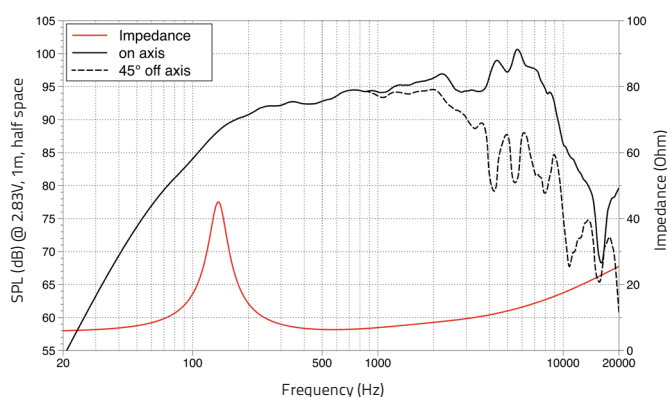
SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	5,7
Resonance frequency	Fs	Hz	141
Moving mass	Mms	g (oz)	6,93 (0.24)
Compliance	Cms	mm/N	0,184
Force factor	BxL	N/A	7,36
Mechanical Q-factor	Qms		4,67
Electrical Q-factor	Qes		0,64
Total Q-factor	Qts		0,56
Equivalent air volume	Vas	l (ft ³)	1,6 (0.06)
Voice coil Inductance	Le	mH	0,23
Diaphragm area	Sd	cm ² (in. ²)	78,54 (12.2)
Reference efficiency	Eta 0	%	0,68
Efficiency bandwidth product	EBP	Hz	220

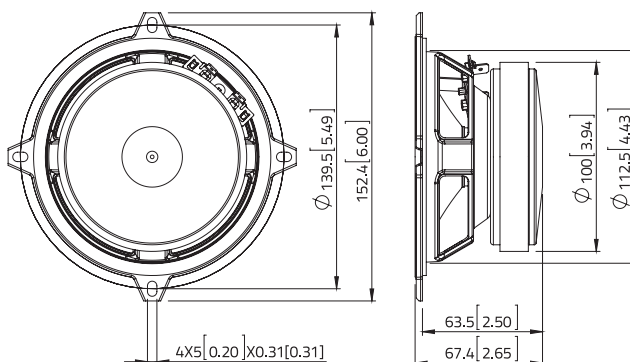
SHIPPING INFORMATION

Net weight	kg (lb.)	1,2 (2.7)
Multipack size (12)	mm (in.)	494 x 350 x 195 (19.4 x 13.8 x 7.7)
Multipack weight	kg (lb.)	17,7 (38.9)

FREQUENCY RESPONSE AND IMPEDANCE



DIMENSIONS mm (in.)



(1) Program power is defined as 3 dB greater than AES Power. (2) Tested for two hours using a continuous, band-limited pink noise signal as per AES 2-1984 Rev. 2003. Loudspeaker tested in free air. (3) From T/S parameters, measured with Klippel DA LPM module. (4) The Xmax is calculated as: $(H_{vc} - H_g)/2 + H_g/4$. Hvc is the voice coil height and Hg the gap height. (5) The Xmech is calculated as: $(H_{vc} - H_g)/2 + (H_g - 2)$. Hvc is the voice coil height and Hg the gap height. (6) Thiele-Small parameters are measured after preconditioning: a) at 20°C - 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

All specifications subject to change without notice_E.a

