

# MSF051.22

Lavoce

## 5" MIDRANGE

FERRITE MAGNET  
STEEL BASKET DRIVER



- 1.25 INCH VOICECOIL
- 92.5 dB/SPL SENSITIVITY
- 140 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED FERRITE MOTOR AND SUSPENSION
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN
- SMOOTH FREQUENCY RESPONSE

### GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	130 (5)
Nominal impedance	$\Omega$	8
Minimum impedance	$\Omega$	6,4
Program power (1)	W	140
AES Power rating (2)	W	70
Sensitivity (3)	dB	92,5
Frequency range	Hz	130 ÷ 6000
Voice coil diameter	mm (in.)	32 (1.25)
Chassis material		Steel
Magnet material		Ferrite
Magnet dimensions OD x ID x h	mm (in.)	100 x 40 x 15 (3.9 x 1.6 x 0.6)
Coil material		CCAW
Former material		Kapton
Cone material		Water Proof Treated Paper
Surround material		Polycotton
Xmax (4)	mm (in.)	3,3 (0.13)
Xmech (5)	mm (in.)	5 (0.2)
Gap height	mm (in.)	5 (0.2)
Voice coil winding height	mm (in.)	9 (0.35)

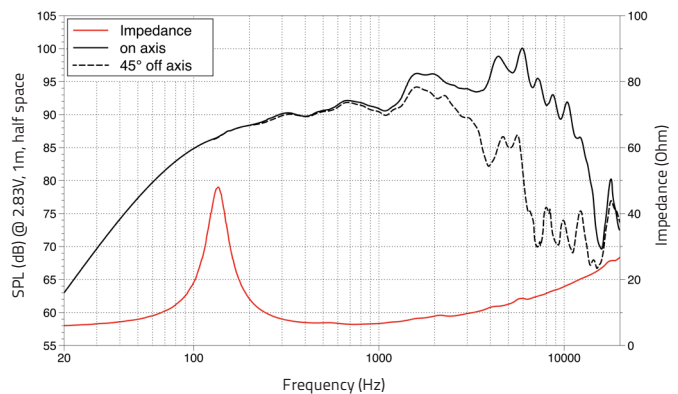
### SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	5,8
Resonance frequency	Fs	Hz	130
Moving mass	Mms	g (oz)	6,2 (0.22)
Compliance	Cms	mm/N	0,24
Force factor	BxL	N/A	7,2
Mechanical Q-factor	Qms		4,32
Electrical Q-factor	Qes		0,56
Total Q-factor	Qts		0,50
Equivalent air volume	Vas	l (ft <sup>3</sup> )	2.1 (0.07)
Voice coil Inductance	Le	mH	0,28
Diaphragm area	Sd	cm <sup>2</sup> (in. <sup>2</sup> )	78.5 (30.9)
Reference efficiency	Eta 0	%	0,8

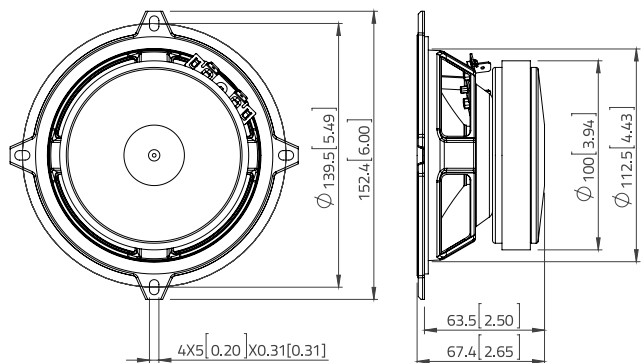
### SHIPPING INFORMATION

Net weight	Kg (lb.)	0,9 (1.9)
Multipack size (12)	mm x mm x mm ( in. x in. x in.)	308 x 308 x 283 (12.1 x 12.1 x 11.1)
Multipack weight	Kg (lb.)	13,5 (29.8)

### FREQUENCY RESPONSE



### 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:  $(Hvc - Hg)/2 + Hg/4$ . Hvc is the voice coil height and Hg the gap height. (5) The Xmech is calculated as:  $(Hvc - Hg)/2 + (Hg - 2)$ . 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.

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