



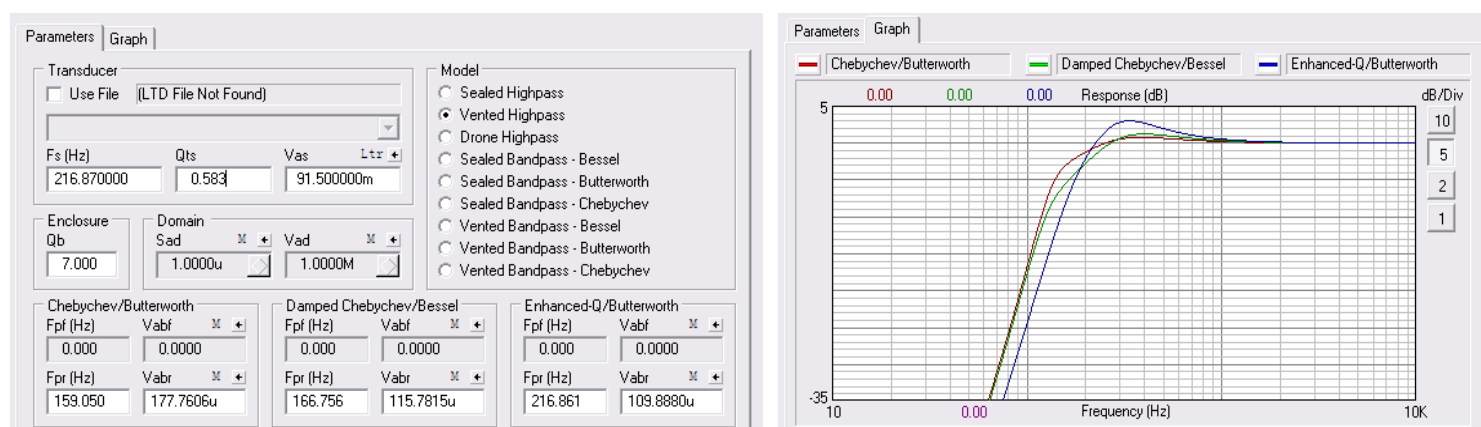
Model Number: JM-AL040-57-04

Spec: 40mm 4Ω 3W

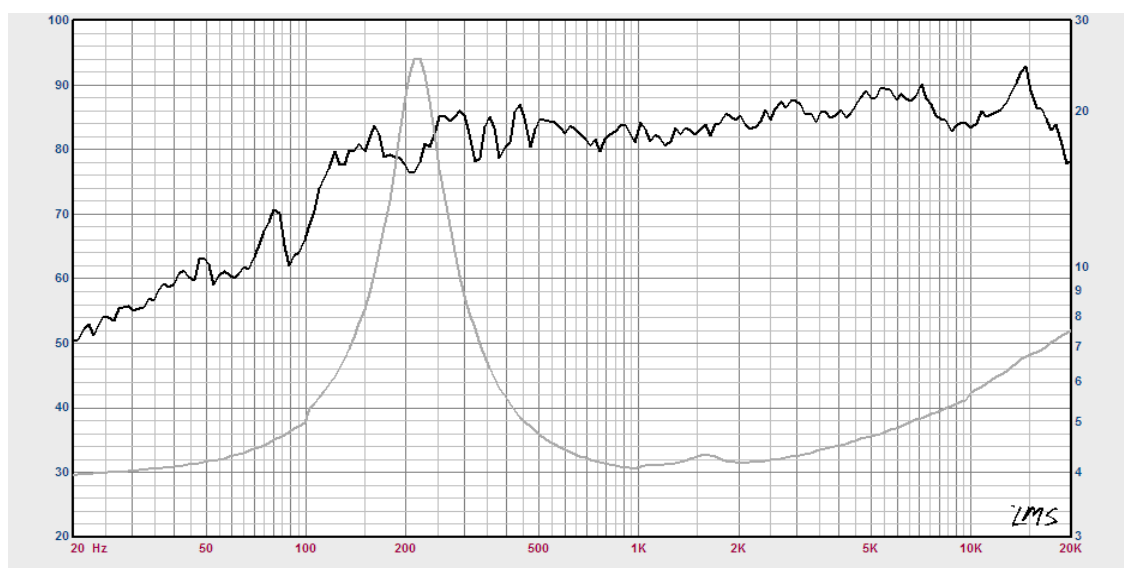
这是一款应用于便携式数码音箱的高效率全频扬声器。磁路部分采用两个钕磁，增强了磁通密度，提高产品声压特性，同时有效的减小产品体积和重量。振动系统采用较轻的高耐疲劳度材质悬边+进口纸浆胴体，优化听觉效果，弹波采用高顺性材质，有效的降低失真，改善低频辐射特性。音圈采用铝线设计，有利于中音醇厚与低频的强度。



LEAP Emulational Frequency Response



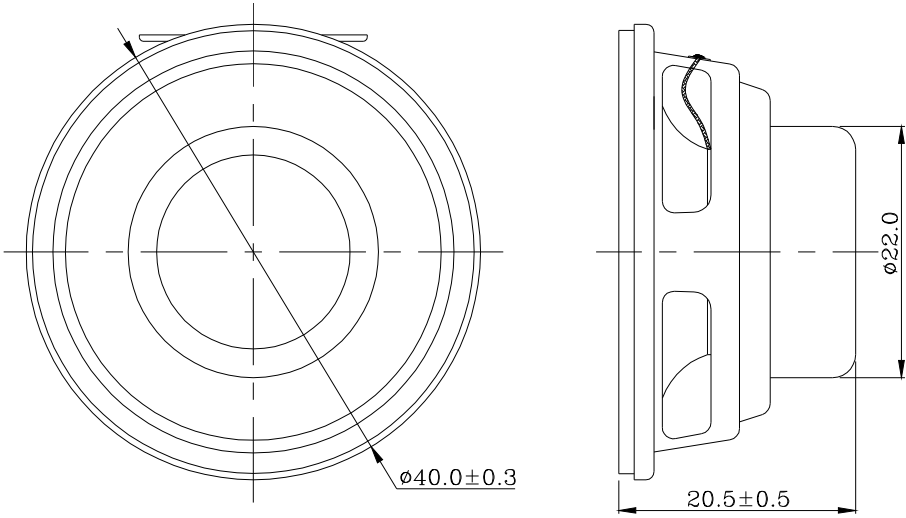
Frequency and impedance Response



specifications

DC Resistance	Revc	Ω	3.4	$\pm 7.5\%$	Energy Bandwidth product	EBP	$(1/Q_{es}).f_s$	318.36
Minimum impedance	Zmin	Ω	4	$\pm 7.5\%$	Moving Mass	Mms	g	0.54
Voice Coil inductance	Le	mH	3.103		Suspension Compliance	Cms	$\mu m/N$	996
Resonant Frequency	Fs	Hz	216.8	$\pm 20\%$	Effective Cone Diameter	SD	cm	8.04
Mechanical Q factor	Qms	-	4.091		Equivalent Volume	Vas	mL	91.5
Electrical Q factor	Qes	-	0.681		Motor Efficiency Factor	BL	T.M	1.918
Total Q facto	Qts	-	0.583		Voice Coil Former Material	VCfm	-	KSV
Ratio	Fs/Qts	-	371.88		Voice Coil Inner Diameter	VCd	mm	16.28
Half Space Sensitivity @	1w/1m	dB	83.2 $\pm$ 2		Gap Height	Gh	mm	2
rated Noise Power(IEC 2685 18.1)	P	W	3		Maximum Linear Excursion	Xmax	mm	0.8
Test Spectrum Bandwidth	FO-20KHz		12dB/Oct		Ferrofluid Type	FF	N/A	NeFeB
					Transducer Size	-	-	40
					Transducer Mass	-	g	27.8

Mechanical 2D Drawing



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