

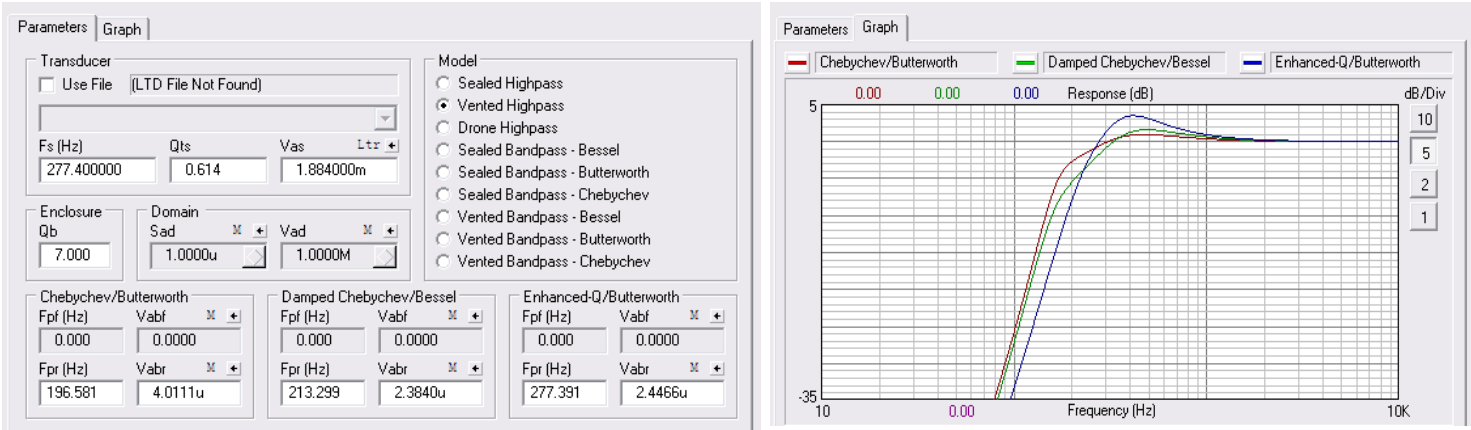


Model Number: JM-AL028-11-04
Spec: 28mm 4Ω 2W

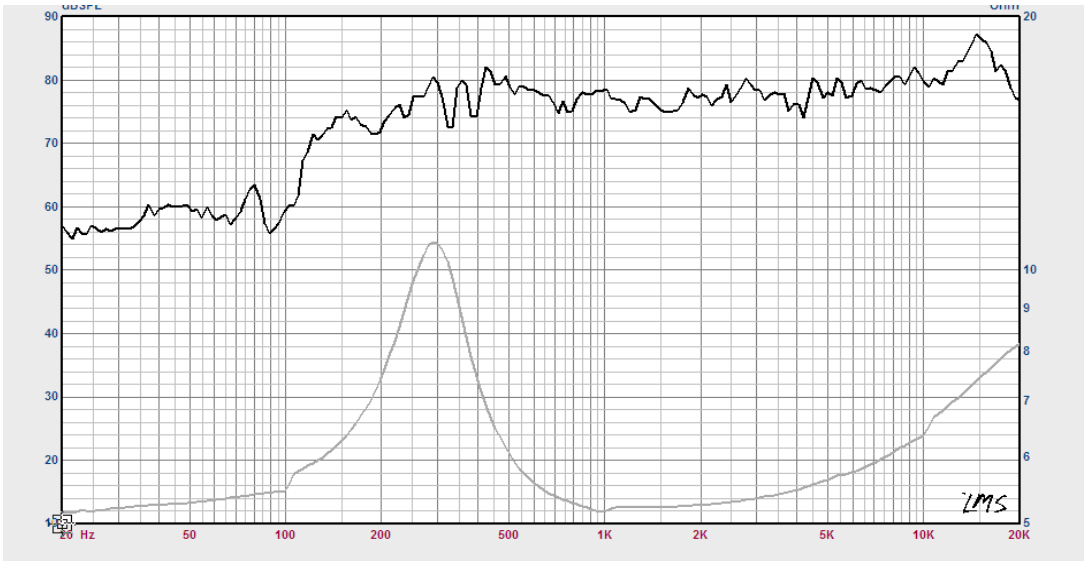
这是一款应用于便携式数码音箱的高效率全频扬声器。支架采用高强度 ABS 材料，有利于磁通集中，减小漏磁。磁路部分采用钕铁硼材料双磁相结合中穿设计，增强了磁通密度，提高产品声压特性，同时有效的减小产品体积和重量，磁路中间通孔设计，有利于振动时音圈内部气体排出，减少气体压缩而产生的失真，降低气流噪音。振动系统采用较轻的高耐疲劳日本高泡海棉悬边+锅底形防尘帽，有效改善中高频及声压特性。无弹波设计，使喇叭工作在高顺性状态，有效的降低失真提升中高频解渐度，同时改善小口径喇叭低频辅射特性。音圈采用大口多层铝线设计，大大提升产品音压及低频特性。



LEAP Emulational Frequency Response



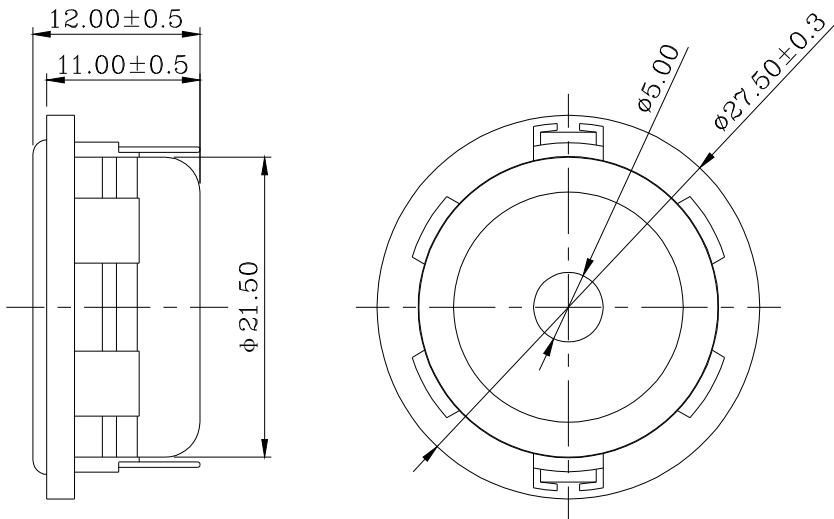
Frequency and impedance Response



specifications

DC Resistance	Revc	Ω	3.4	$\pm 7.5\%$	Energy Bandwidth product	EBP	$(1/Qes).fs$	284
Minimum impedance	Zmin	Ω	4	$\pm 7.5\%$	Moving Mass	Mms	g	2.977
Voice Coil inductance	Le	mH	2.57		Suspension Compliance	Cms	um/N	110.6
Resonant Frequency	Fs	Hz	277.4	$\pm 20\%$	Effective Cone Diameter	SD	cm	3.46
Mechanical Q factor	Qms	-	1.65		Equivalent Volume	Vas	mL	1.884
Electrical Q factor	Qes	-	0.977		Motor Efficiency Factor	BL	T.M	4.25
Total Q facto	Qts	-	0.614		Voice Coil Former Material	VCfm	-	Kapton
Ratio	Fs/Qts	-	451.8		Voice Coil Inner Diameter	VCd	mm	16.28
Half Space Sensitivity @	1w/1m	dB	78.5 $\pm$ 2		Gap Height	Gh	mm	1.5
rated Noise Power(IEC 2685 18.1)	P	W	2		Maximum Linear Excursion	Xmax	mm	1.915
Test Spectrum Bandwidth	FO-20KHz		12dB/Oct		Ferrofluid Type	FF	N/A	NeFeB
					Transducer Size	-	-	28
					Transducer Mass	-	g	15.2

Mechanical 2D Drawing



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