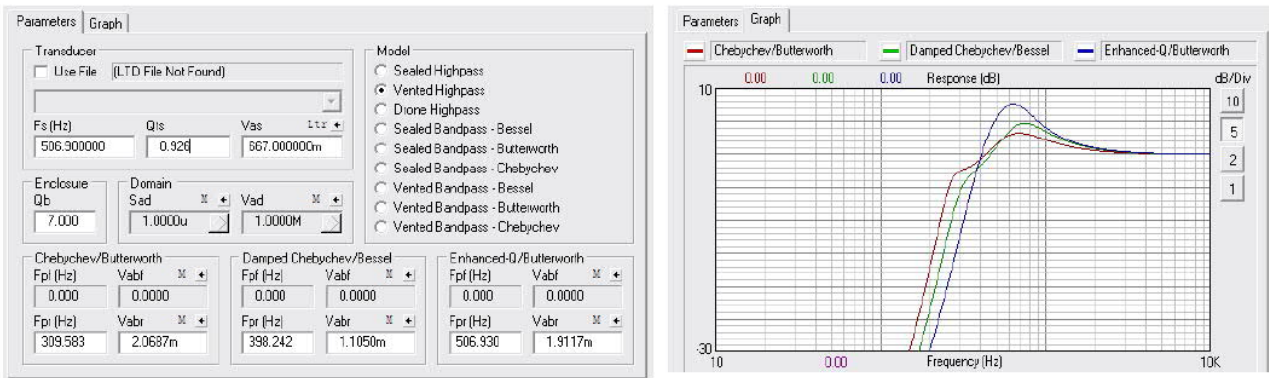


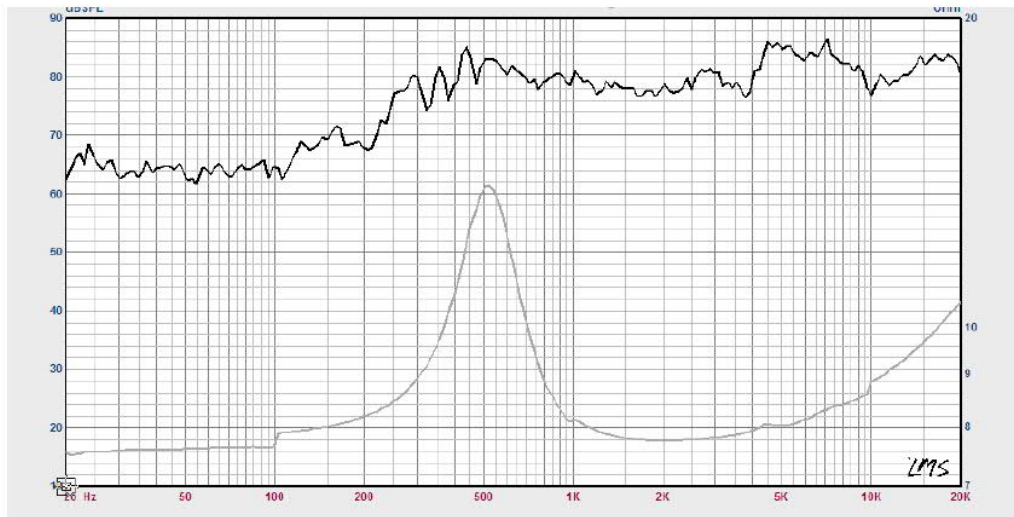


Model Number : JM-AL027-02-08 Spec : 27mm 8 Ohm 2W

LEAP Emulational Frequency Response



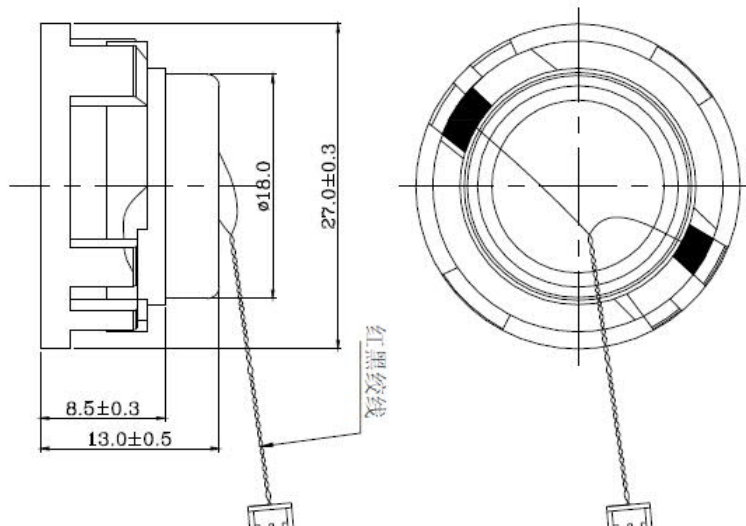
Frequency and impedance Response



specifications

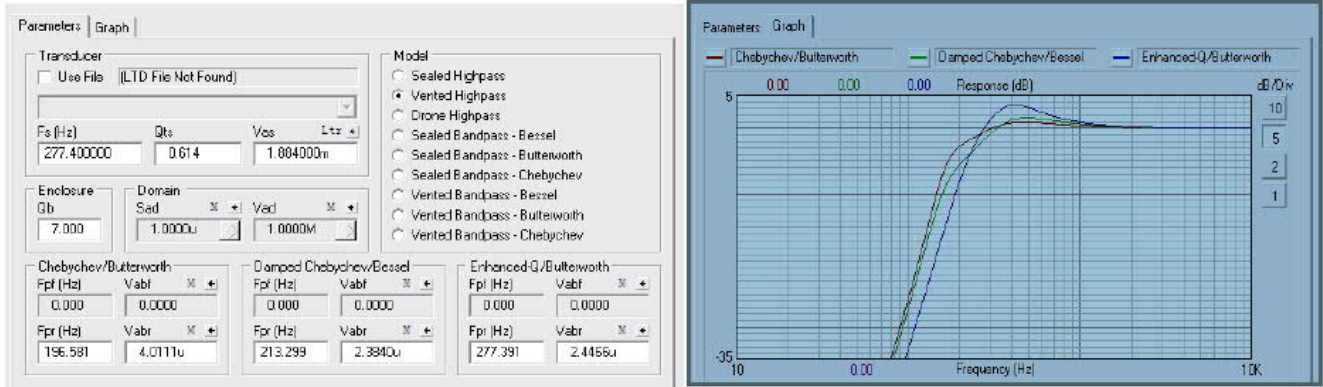
DC Resistance	Revc	Ω	6.8	$\pm 7.5\%$	Energy Bandwidth product	EBP	$(1/Q_{es}) \cdot f_s$	253
Minimum impedance	Zmin	Ω	8	$\pm 7.5\%$	Moving Mass	Mms	g	2.284
Voice Coil inductance	Le	mH	4.032		Suspension Compliance	Cms	um/N	43.1
Resonant Frequency	Fs	Hz	507	$\pm 20\%$	Effective Cone Diameter	SD	cm	3.3
Mechanical Q factor	Qms	-	1.726		Equivalent Volume	Vas	mL	667
Electrical Q factor	Qes	-	1.997		Motor Efficiency Factor	BL	T.M	4.977
Total Q facto	Qts	-	0.926		Voice Coil Former Material	VCfm	-	Kapton
Ratio	Fs/Qts	-	547		Voice Coil Inner Diameter	VCd	mm	14.28
Half Space Sensitivity @	1w/1m	dB	79.5 \pm 2		Gap Height	Gh	mm	1.5
rated Noise Power(IEC 2685 18.1)	P	W	2		Maximum Linear Excursion	Xmax	mm	0.51
Test Spectrum Bandwidth	FO-20KHz		12dB/Oct		Ferrofluid Type	FF	N/A	NeFeB
					Transducer Size	-	-	27
					Transducer Mass	-	g	12.1

Mechanical 2D Drawing

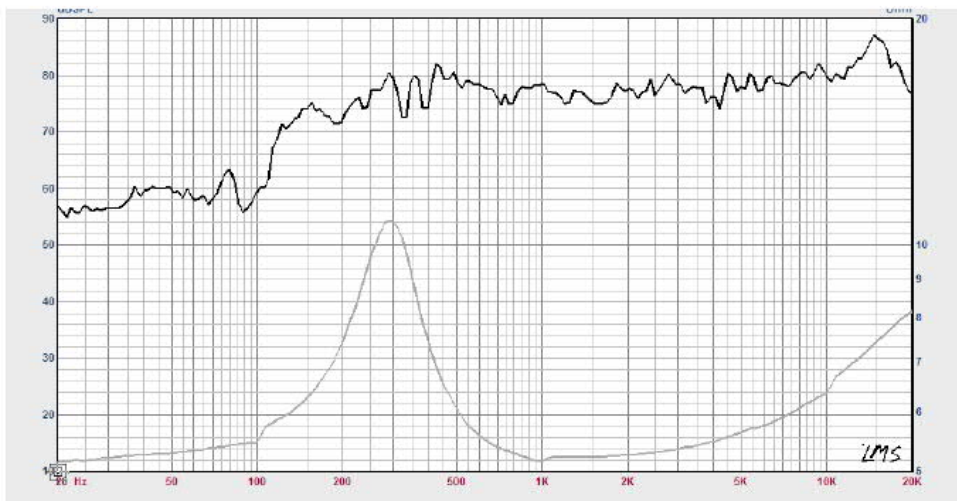


Model Number : JM-AL028-11-04 Spec : 28mm 4 Ohm 2W

LEAP Emulational Frequency Response



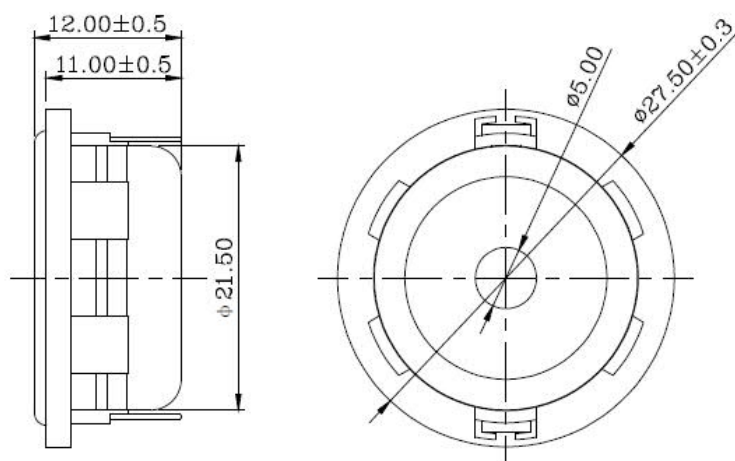
Frequency and impedance Response



specifications

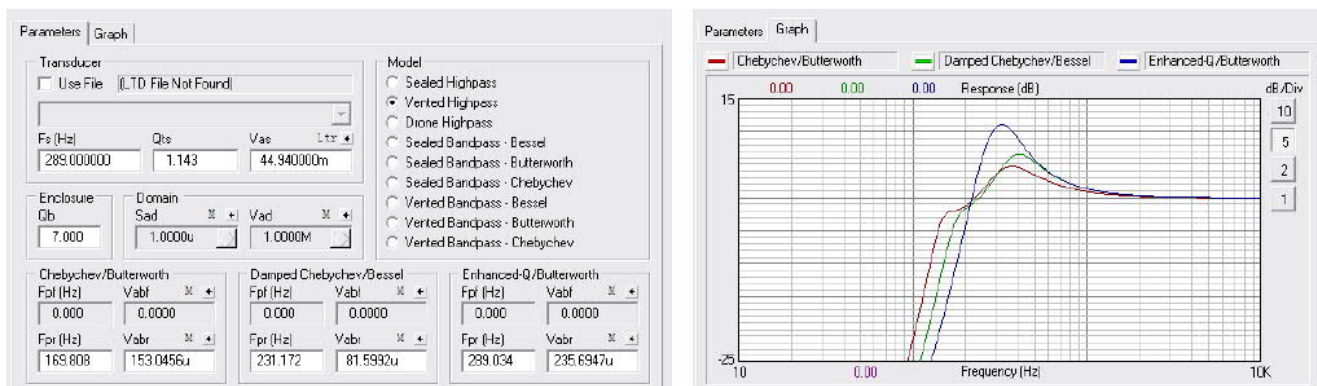
DC Resistance	Revc	Ω	3.4	$\pm 7.5\%$	Energy Bandwidth product	EBP	$(1/Qes).fs$	284
Minimum impedance	Zmin	Ω	4	$\pm 7.5\%$	Moving Mass	Mms	g	2.977
Voice Coil inductance	Le	mH	2.57		Suspension Compliance	Cms	um/N	110.6
Resonant Frequency	Fs	Hz	277.4	$\pm 20\%$	Effective Cone Diameter	SD	cm	3.46
Mechanical 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 ± 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

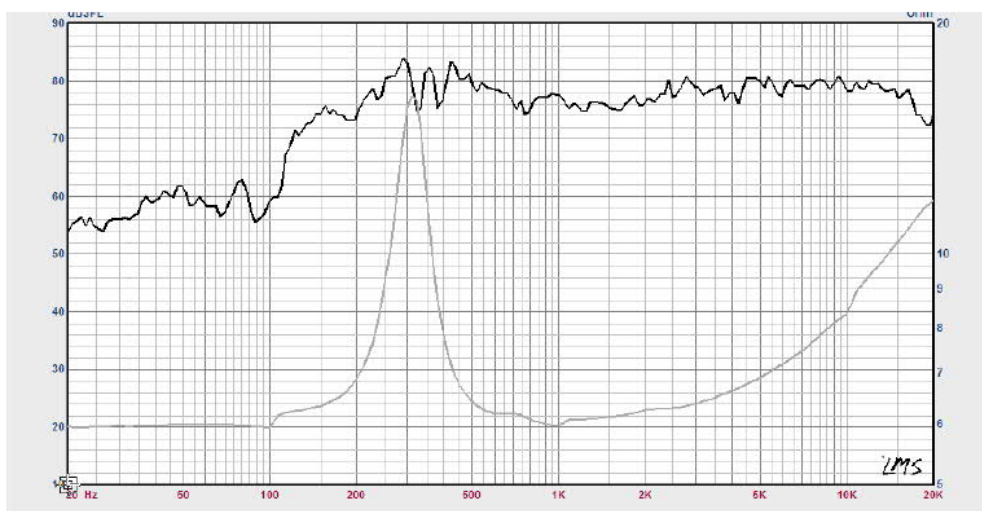


Model Number : JM-AL031-04-04 A Spec : 31mm 4 Ohm 1.5W

LEAP Emulational Frequency Response



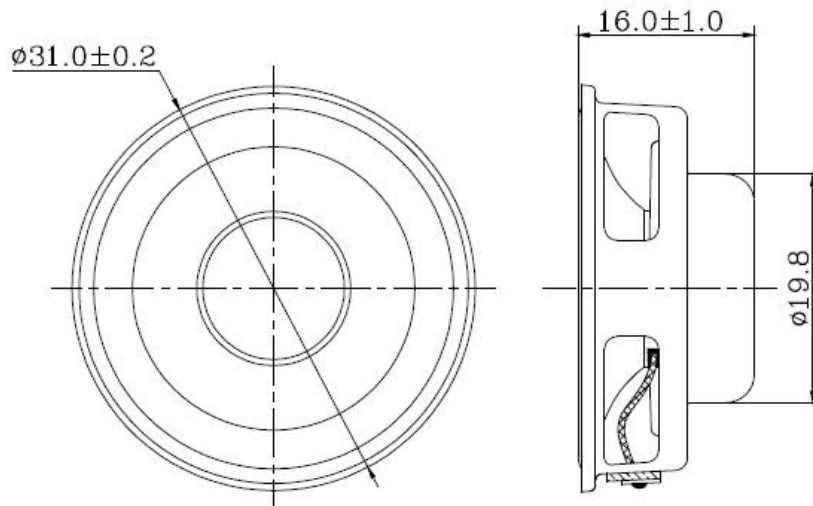
Frequency and impedance Response



specifications

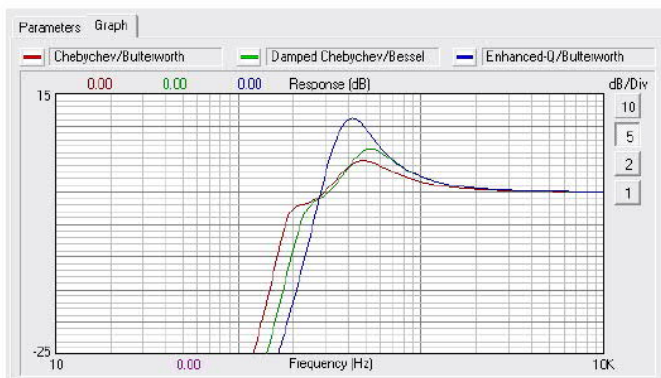
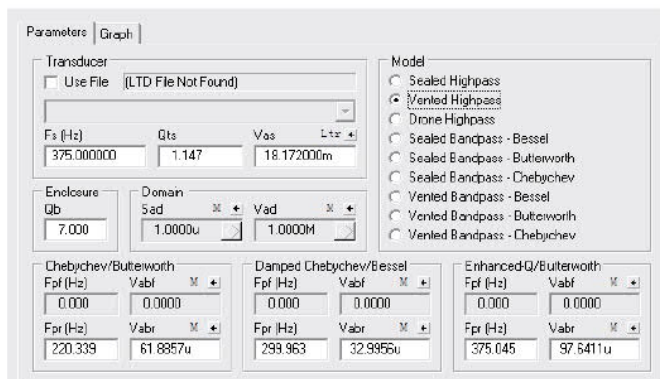
DC Resistance	Revc	Ω	3.6	$\pm 7.5\%$	Energy Bandwidth product	EBP	$(1/Q_{es}).f_s$	193.3
Minimum impedance	Zmin	Ω	4	$\pm 7.5\%$	Moving Mass	Mms	g	0.39
Voice Coil inductance	Le	mH	1.194		Suspension Compliance	Cms	um/N	777.7
Resonant Frequency	Fs	Hz	289	$\pm 20\%$	Effective Cone Diameter	SD	cm	6.37
Mechanical Q factor	Qms	-	4.856		Equivalent Volume	Vas	mL	44.9
Electrical Q factor	Qes	-	1.495		Motor Efficiency Factor	BL	T.M	1.306
Total Q facto	Qts	-	1.143		Voice Coil Fomer Material	VCfm	-	Kapton
Ratio	Fs/Qts	-	252.8		Voice Coil Inner Diameter	VCd	mm	13.28
Half Space Sensitivity @	1w/1m	dB	80.5 \pm 2		Gap Height	Gh	mm	1.5
rated Noise Power(IEC 2685 18.1)	P	W	1.5		Maximum Linear Excursion	Xmax	mm	1.265
Test Spectrum Bandwidth	FO-20KHz		12dB/Oct		Ferrofluid Type	FF	N/A	NeFeB
					Transducer Size	-	-	31
					Transducer Mass	-	g	14.1

Mechanical 2D Drawing

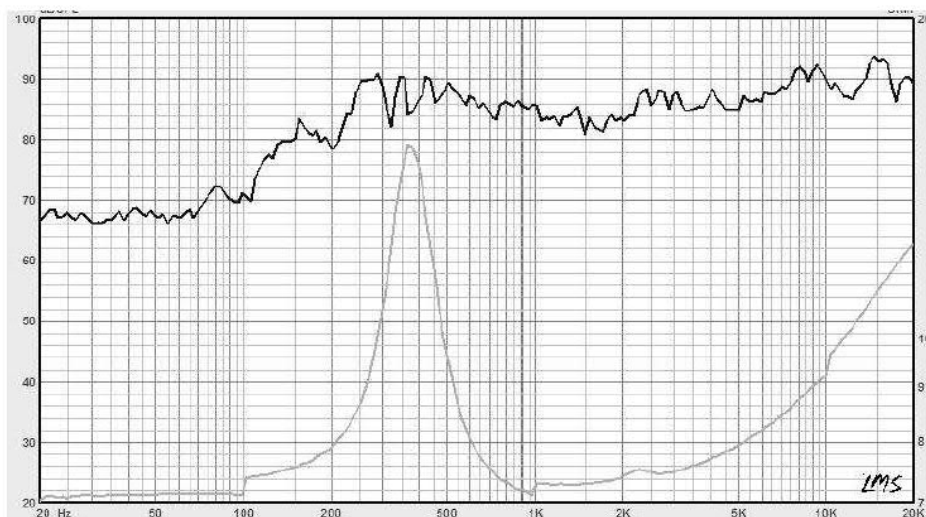


Model Number : JM-AL032032-01-08 Spec : 32mm 8 Ohm 2W

LEAP Emulational Frequency Response



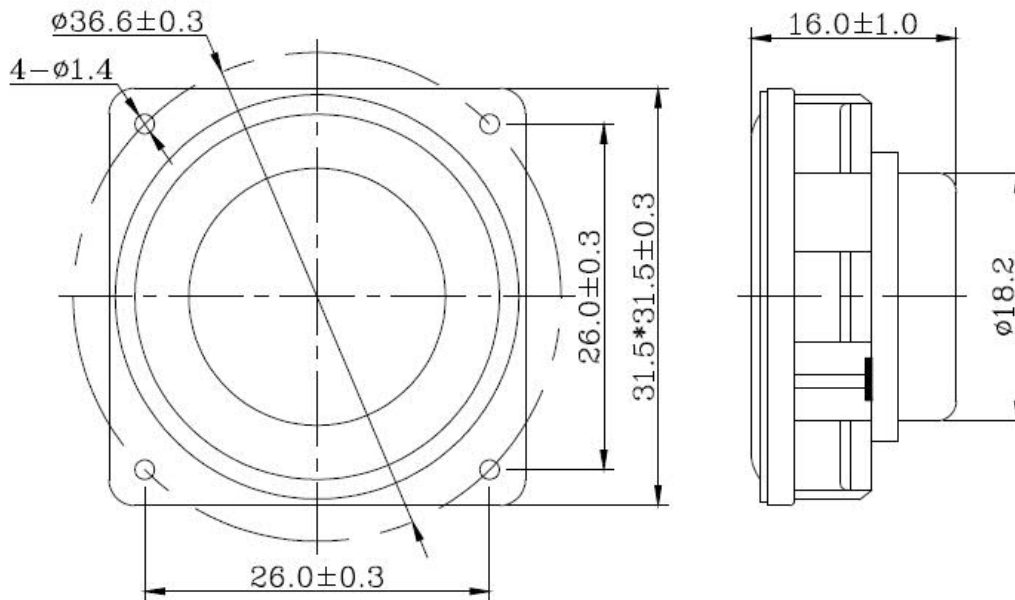
Frequency and impedance Response



specifications

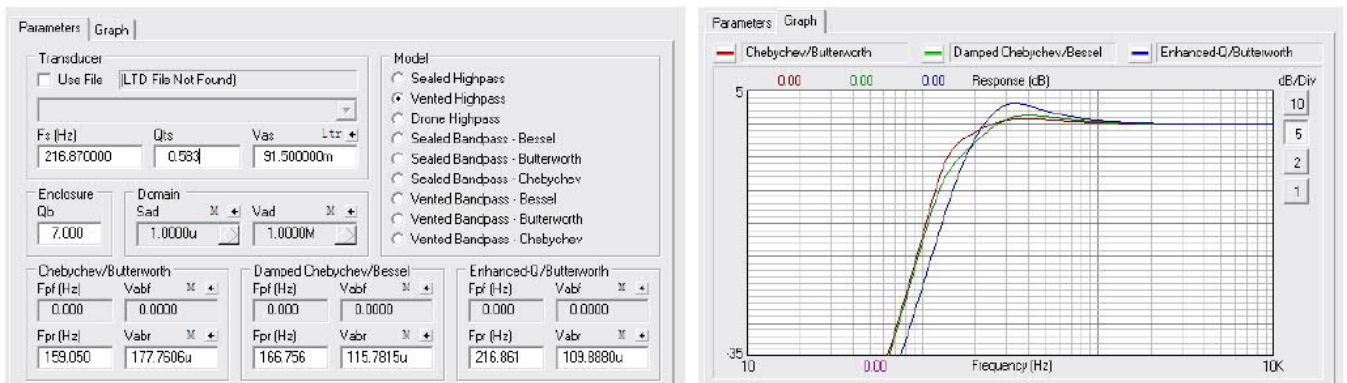
DC Resistance	Revc	Ω	3.6	$\pm 7.5\%$	Energy Bandwidth product	EBP	$(1/Q_{es}).f_s$	174.09
Minimum impedance	Zmin	Ω	4	$\pm 7.5\%$	Moving Mass	Mms	g	287.560
Voice Coil inductance	Le	mH	3.88		Suspension Compliance	Cms	um/N	62.530
Resonant Frequency	Fs	Hz	375	$\pm 20\%$	Effective Cone Diameter	SD	cm	4.524
Mechanical Q factor	Qms	-	2.455		Equivalent Volume	Vas	mL	18.17
Electrical Q factor	Qes	-	2.154		Motor Efficiency Factor	BL	T.M	1.43
Total Q facto	Qts	-	1.147		Voice Coil Former Material	VCfm	-	ASV
Ratio	Fs/Qts	-	326.9		Voice Coil Inner Diameter	VCd	mm	13.28
Half Space Sensitivity @	1w/1m	dB	80.5 \pm 2		Gap Height	Gh	mm	1.5
rated Noise Power(IEC 2685 18.1)	P	W	2		Maximum Linear Excursion	Xmax	mm	1.265
Test Spectrum Bandwidth	FO-20KHz		12dB/Oct		Ferrofluid Type	FF	N/A	NeFeB
					Transducer Size	-	-	32*32
					Transducer Mass	-	g	19.1

Mechanical 2D Drawing

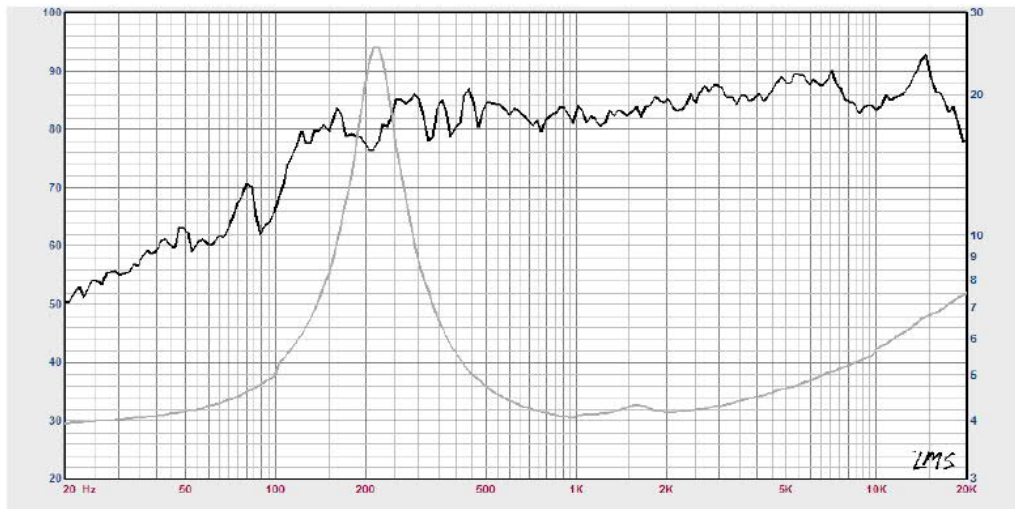


Model Number : JM-AL040-57-04 Spec : 40mm 4 Ohm 3W

LEAP Emulational Frequency Response



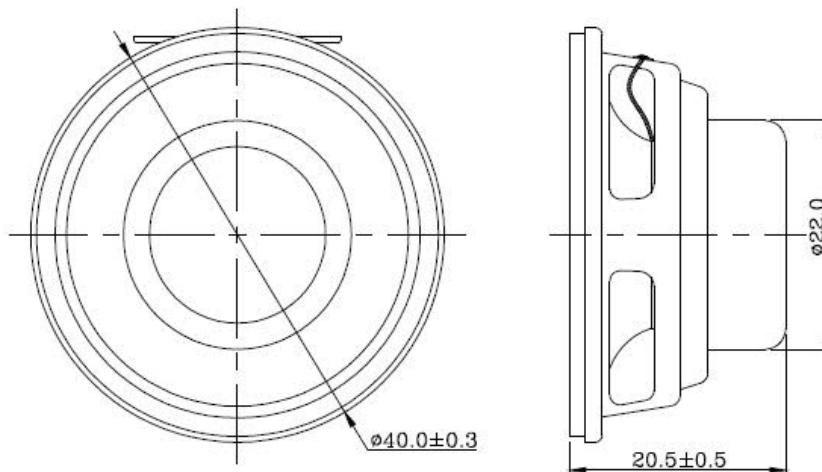
Frequency and impedance Response



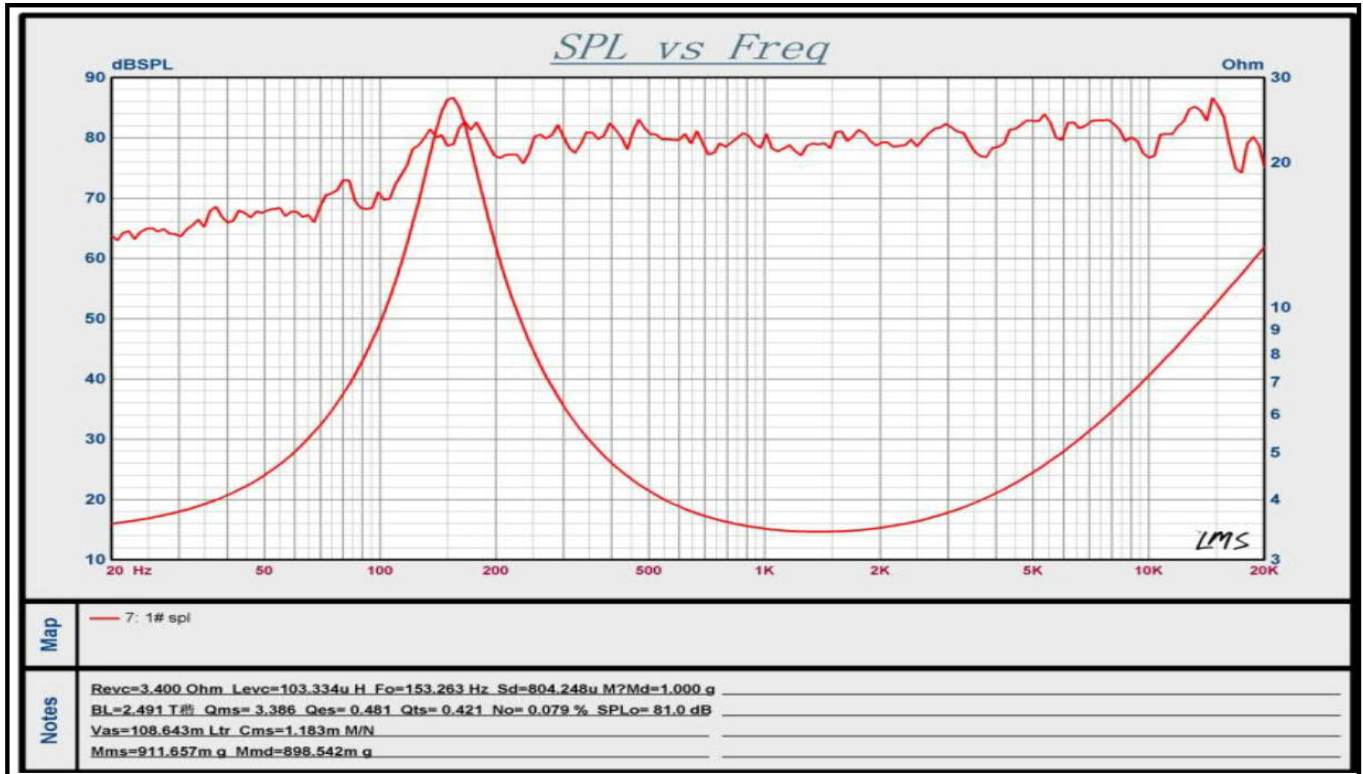
specifications

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	um/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

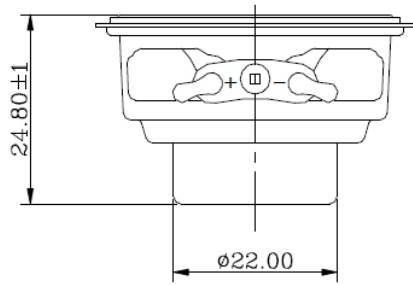
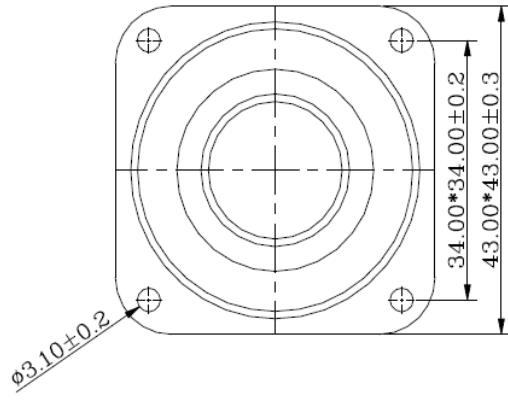
Mechanical 2D Drawing



Model Number : JM-AL043-02-04 Spec : 40mm 4 Ohm 5W

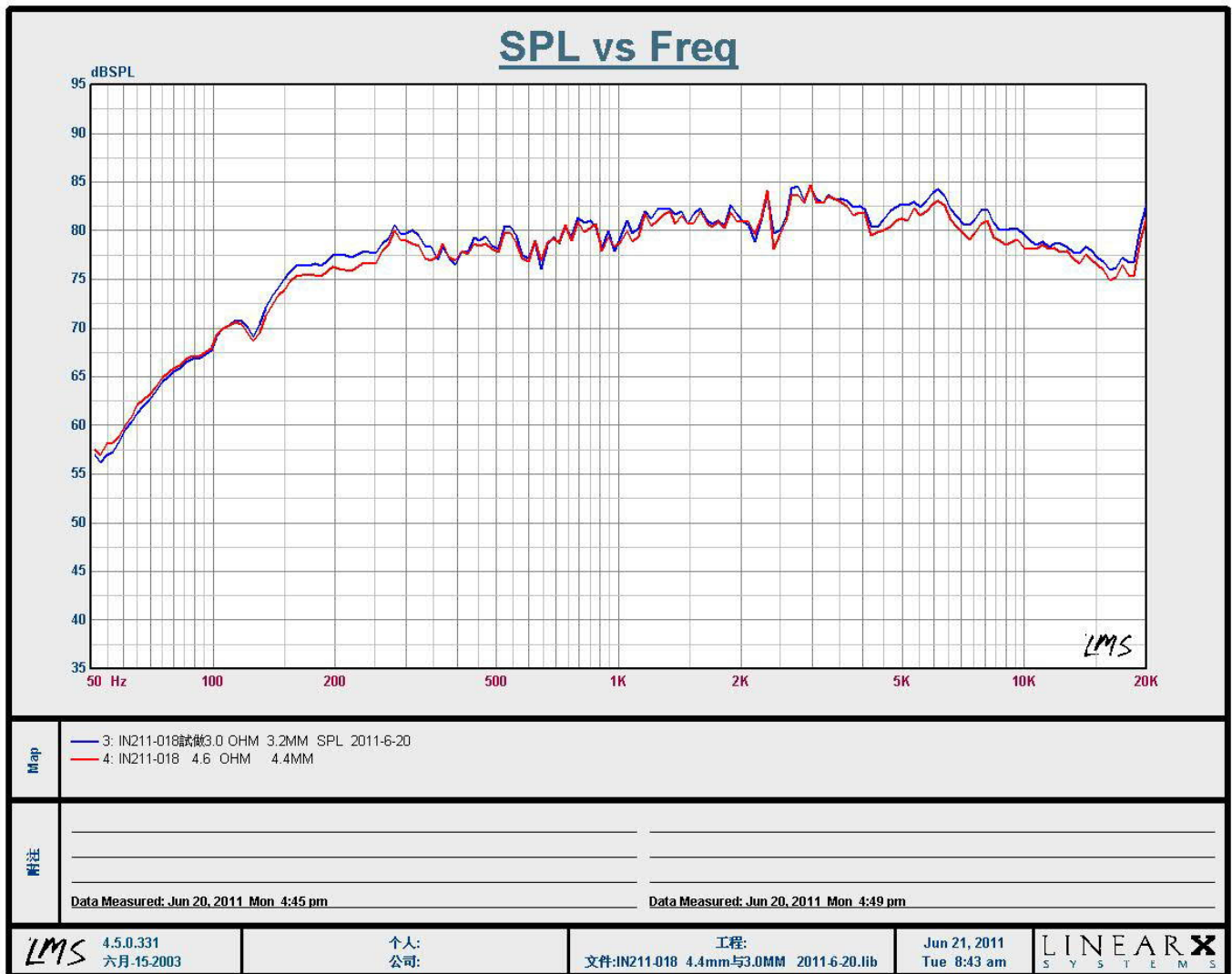
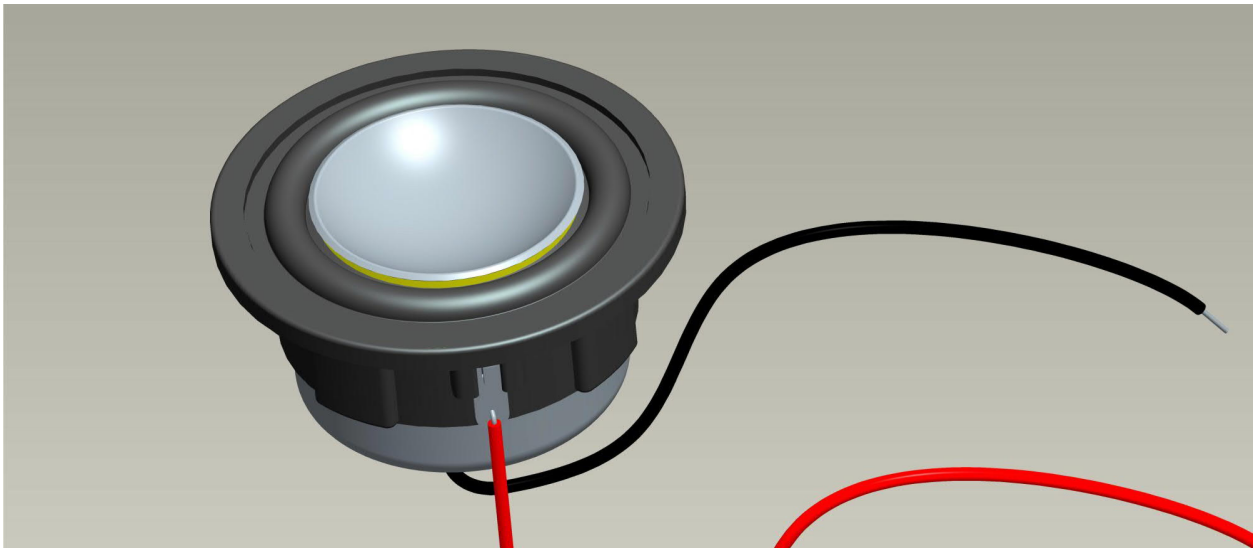


客户		客户型号		检验日期	2013. 10. 31						
品名	扬声器			检验数量	2PCS						
判定标准	MIL-STD-105E II 致命缺点 CR=0 重缺点 AQL 0.65AC RE 轻缺点 AQL 1.0AC RE										
检验标准	<input type="checkbox"/> 减量	<input checked="" type="checkbox"/> 正常	<input type="checkbox"/> 加严	检验型态	<input type="checkbox"/> 抽检 <input checked="" type="checkbox"/> 全检						
检验项目	规格值	使用量具	实检测资料							结果判定	
			1	2	3	4	5			OK	FAL
阻抗	4Ω ±15%	万用表	3.4	3.4						OK	
Fo	150±20%Hz	Fo仪	150	150						OK	
dB	81±3dB	LMS	81	81						OK	
极性	左+ 右-	极性仪								OK	
纯音检查	F0~20KHz	扫频仪								OK	
电压	3.46V									OK	
全高	24.8±1.0	卡尺	24.8	24.8						OK	
外径	43.0*43.0±0.3	卡尺	43	43						OK	
安装孔	φ 3.1±0.2	卡尺	3.1	3.1						OK	
安装孔距	34.0*34.0±0.2	卡尺	34	34						OK	
扭防磁盖	N/A	手工									
外观	OK	目视								OK	
使用量具	1、目视 2、卡尺 3、极性仪 4、Fo仪 5、扫频仪 6、万用表 7、LMS										

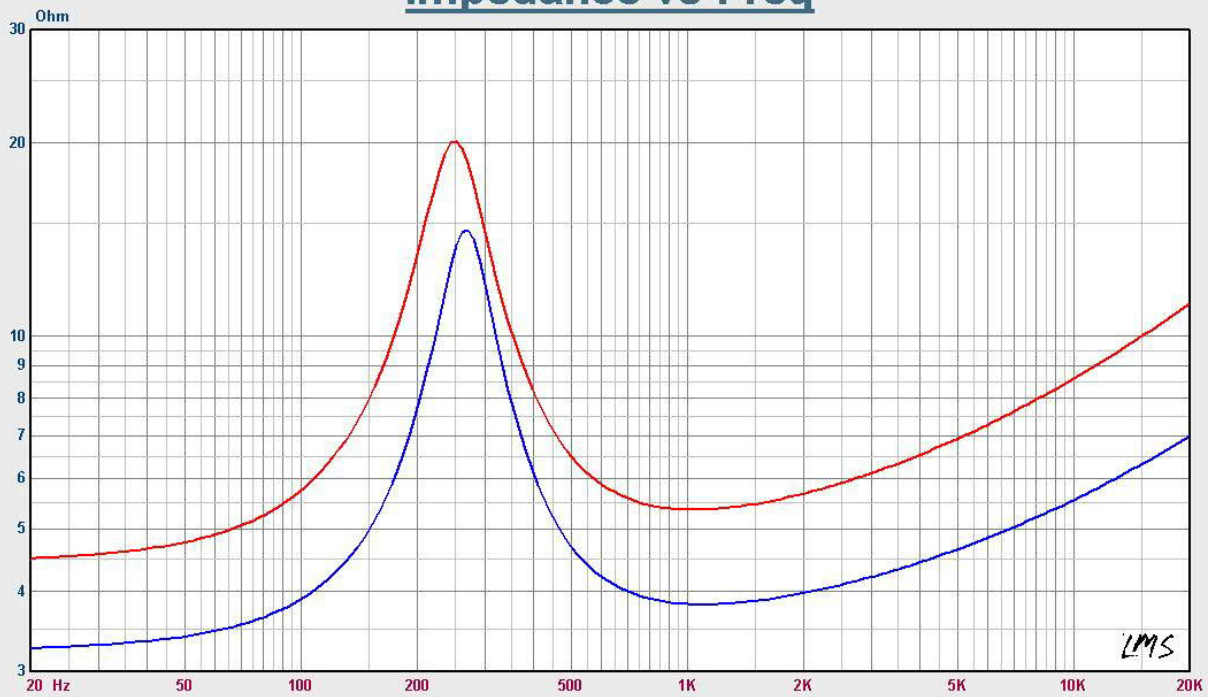


Model Number : BL046-

Spec : 46mm 4 Ohm 4W



Impedance vs Freq



Map
 — 24: IN211-018 試做 3.0 OHM 3.2MM 装箱
 — 29: IN211-018 4.6 OHM 4.4MM 装箱

附注

Rvc=3.200 Ohm Fo=267.699 Hz Sd=804.248u M?Md=880.000m g BL=2.198 T 裕 Qms= 3.122 Qes= 0.886 Qts= 0.690 No= 0.085 % SPLo= 81.3 dB Vas=40.825u M? Cms=444.489u MN Krm=1.854m Ohm Erm=0.636 Mms=795.215m g Mmd=782.101u Kg Kxm=2.262m H Exm=0.605	Rvc=4.400 Ohm Fo=250.190 Hz Sd=804.248u M?Md=950.000m g BL=2.752 T 裕 Qms= 2.736 Qes= 0.779 Qts= 0.606 No= 0.085 % SPLo= 81.3 dB Vas=43.590u M? Cms=474.587u MN Krm=2.325m Ohm Erm=0.664 Mms=852.675m g Mmd=839.560u Kg Kxm=3.665m H Exm=0.617
--	--