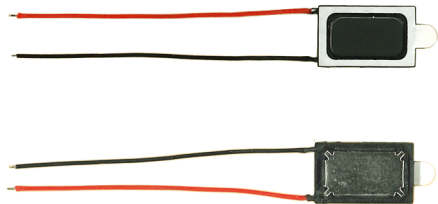


Mini 1308

Haut-parleur et capsule acoustique



Fiche technique
Mise à jour : 09/2026



Importateur

Nom et adresse	Tams Elektronik GmbH Fuhrberger Str. 4 30625 Hannover Allemagne
Référence de l'importateur	70-03033-01
Contenu de la livraison	1 haut-parleur, 1 capsule acoustique

Caractéristiques techniques

Dimensions nettes	13 x 8 x 2,5 mm ($\pm 0,2$ mm)
Dimensions avec capsule acoustique	13 x 8 x 6,3 mm ($\pm 0,2$ mm)
Puissance nominale	0,7 W
Puissance maximale	1,0 W
Impédance nominale	6 ohms ($\pm 20\%$)
Bande passante (-10 dB)	600–20 000 Hz
Niveau de pression acoustique moyen	88 $\pm$ 3 dB (1 W/1 m)
Fréquence de résonance f_s	850 Hz ($\pm 20\%$)
Longueur du câble de raccordement	40 mm
Poids net	0,8 g
Poids avec capsule acoustique	1,0 g
Matériau de la capsule acoustique	PLA (polylactide)

Fabricant du haut-parleur

Nom et adresse	Shenzhen Kaiboer Electronic Technology Co., Limited Chine
Désignation du fabricant	1308 Speaker

SPECIFICATION

SHEET FOR APPROVAL

Customer: _____

Nomenclature: **1308 SPEAKER**

Item No.: _____

Your Part No.: _____

Our Part No.: **KB130806S2.5HL**

Version: **V1.0**

Date: **2019.10.10**

CUSTOMER 客户	APPROVER 审批	CHECKER 制作



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 深圳市凯博尔电子科技有限公司	SPECIFICATIONS		ITEM NO.	1/7
	MODEL NO.	KB130806S2.5HL	SPEC. No	19101003

1	产品概要/PRODUCT OUTLINE	
	1-1 适用范围/SCOPE	This specification is applied to mobile telephone
	1-2 尺寸/DIMENSIONS	As shown in fig (3)
	1-3 大小/SIZE	(L) 13.0× (W) 8.0× (H) 2.5(±0.2 mm)
	1-4 重量/NET WEIGHT	APPROX. 0.8g
2	标准试验状态 Standard Test Condition	一般规格试验状态（特殊要求除外） 常温 15～35℃，常湿 45%～85%，气压 860～1060hPa 但判定上有疑问时，试验状态为： 温度 20±2℃，相对湿度 60%～70%，气压 860～1060hPa
		The test conditions unless otherwise specified should be Normal temperature 15 to 35℃, Normal humidity 45 to 85% And normal atmospheric pressure 860 to 1060hPa However, if there arises a doubt in judgement, the test conditions shall be as follows: Temperature 20±2℃ Humidity 60%～70% Atmosphere 860～1060hPa

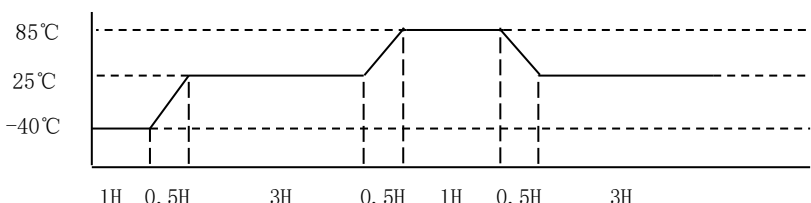
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3	电气规格/ELECTRICAL SPECIFICATIONS		
	3-1 输出音压位准 SOUND PRESSURE LEVEL	88±3dB SPL /2.0Vrms/10cm at (AVG 0.8, 1.0, 1.5 2.0) KHz in 1cc box	
	3-2 阻抗 IMPEDANCE	6±20% Ω /1.0V at 2000Hz	
	3-3 频宽回应 FREQUENCY RESPONSE	As shown in fig(2)	
	3-4 额定输入功率 Rate Input Power	0.7W In 1cc Box	
	3-5 最大输入功率 Max Input Power	1.0W In 1cc Box For 1 Minute	
	3-6 异常音测试 Buzzes & Rattles	Must be free audible noise (In 1cc Box) (From 300 Hz to 3.4KHz frequency range, Input:2.0V)	
	3-7 最低共振频率 LOWEST RESONANCE FREQUENCY	850±20% Hz in free air at 1.0Vrms/10cm. 1000±20% Hz while testing in 1cc box at 2.0Vrms/10cm	
	3-8 有效频宽 FREQUENCY RANGE	F0~20KHz	
	3-9 失真 TOTAL HARMONIC DISTORTION	15%MAX. at 800~1200Hz, 2.0rms/10cm 10% MAX. at 1201~5KHz, 2.0rms/10cm	
	3-10 工作温度 OPERATING TEMPERATURE	-20℃ to +80℃	
	3-11 贮存温度 STORE TEMPERATURE	-30℃ to +85℃	

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	MODEL NO.	KB130806S2.5HL	SPEC. No	19101003

4	信赖性试验/RELIABLE TEST	
	4-1 概述 GENERAL	After any following tests the response at 1 K Hz shall not deviate more than ± 3 dB from the initial value
	4-2 负载试验 LOAD TEST	输入电压 / Input Power : 2.0V 输入信号 / Input Signal : white noise (In 1cc Box) 时 间 / Duration : 96 hours 试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20°C
	4-3 湿度试验 HUMIDITY TEST	温 度 / Temperature : $+40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ 相对湿度 / Relative Humidity : 90%~95% R.H. 时 间 / Duration : 96 hours 试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20°C
	4-4 低温试验 LOW TEMPERATURE TEST	温 度 / Temperature : $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ 时 间 / Duration : 96 hours 试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20°C
	4-5 高温试验 HIGH TEMPERATURE TEST	温 度 / Temperature : $+85^{\circ}\text{C} \pm 3^{\circ}\text{C}$ 时 间 / Duration : 96 hours 试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20°C
	4-6 温度循环试验 TEMPERATURE CYCLES TEST	TEMPERTURE:  循环次数 / Cycles : 10 Cycles 试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20°C
	4-7 落地试验 TEST DROP TEST	落下方向 / Direction : 1 corner, 3 sides, 6 faces 落下回数 / Times : Once in each directions 高 度 / Height : From 0.7m (on the concrete) 试验后放置时间 / Duration of Recovery : 4hours of conditions at 20°C 依包装实体一角三棱六面作自由落体试验后, 实体外观需正常
	4-8 振动试验 VIBRATION TEST	振 动 / Vibration : 10-55Hz (In 1cc Box) 振 幅 / Amplitude : 1.5mm 时 间 / Times : 1 hour in each of 3axes 试验后放置时间 / Duration of Recovery : 4hrs of conditions at 20°C

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	MODEL NO.	KB130806S2.5HL	SPEC. No	19101003

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ELECTRICAL AND ACOUSTICAL MEASURING CONDITION (fig.1)

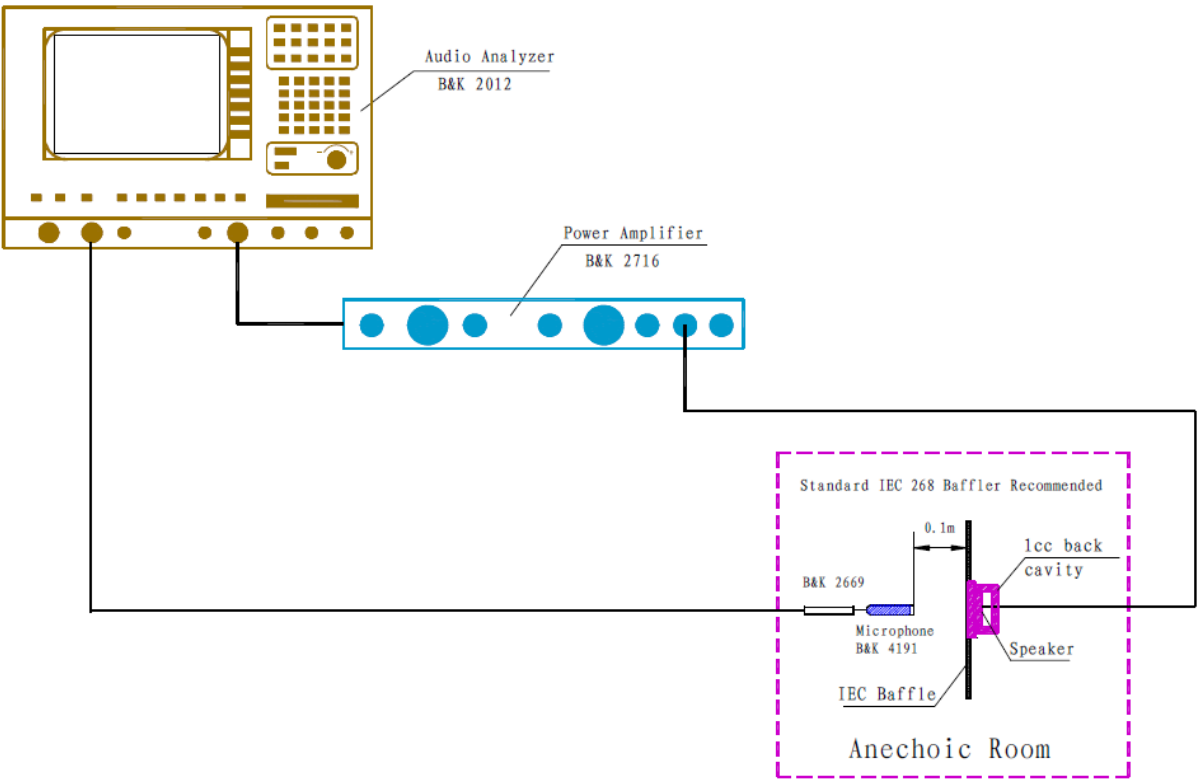


Fig.1 Illustration of measuring diagram (speaker mode)

Efficiency

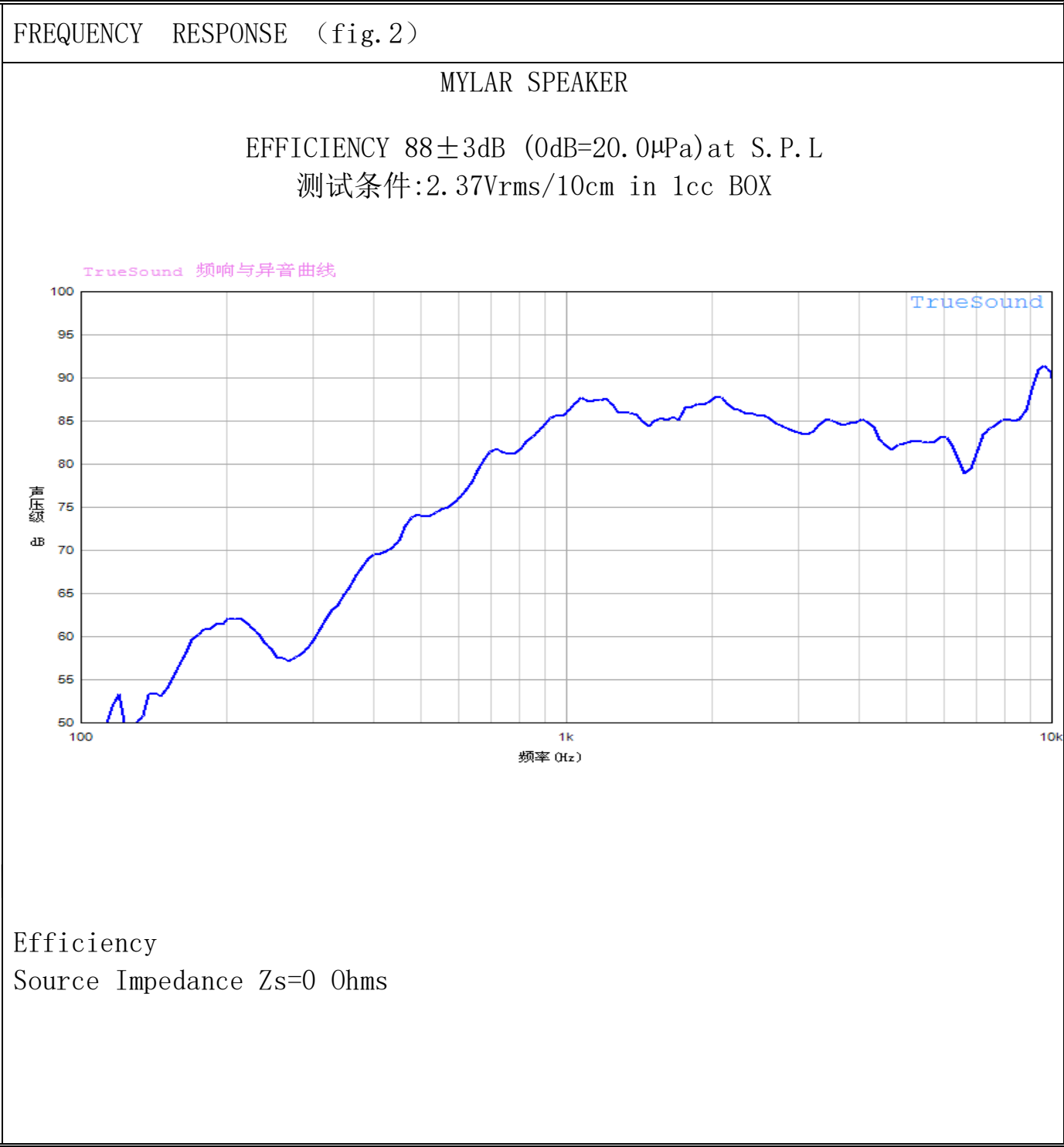
Source Impedance $Z_s=0$ Ohms

Open-Circuit Level 0.1W/10cm

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	MODEL NO.	KB130806S2.5HL	SPEC. No	19101003

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	MODEL NO.	KB130806S2.5HL	SPEC. No 19101003

DIMENSIONS (fig. 3)

Technical drawing of a speaker assembly showing three views: front, side, and back. Dimensions are indicated in blue:

- Front view: Width 8.0 ± 0.2 , Height 13.0 ± 0.2
- Side view: Depth 2.5 ± 0.2
- Back view: Width 5.6 ± 0.2 , Height 10.2 ± 0.2

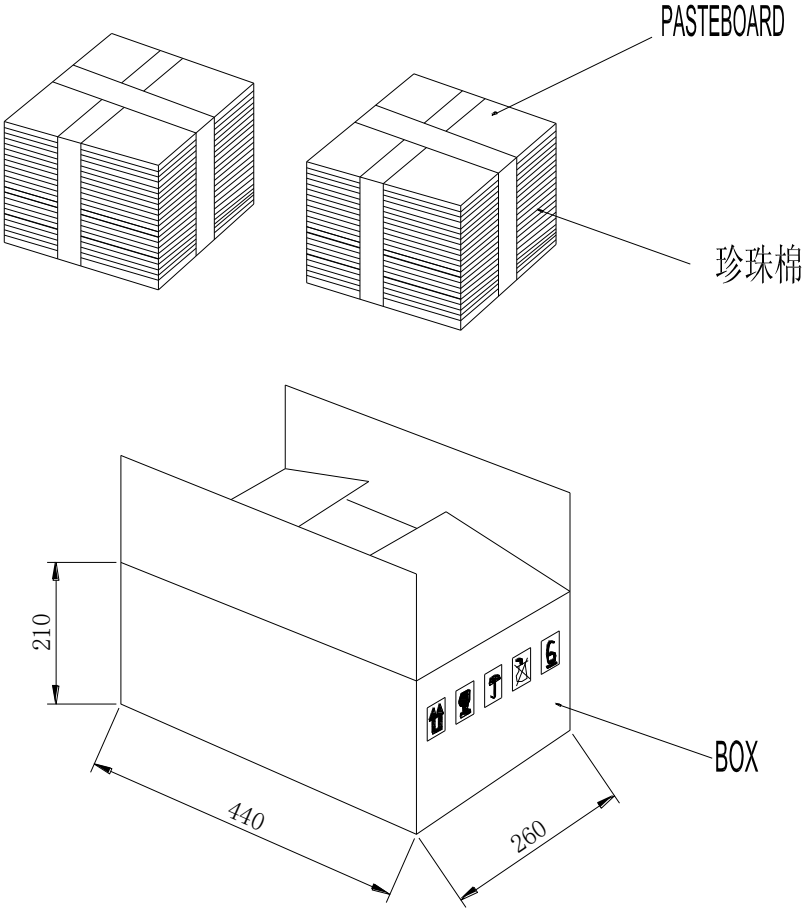
Red center lines are shown for alignment.

Bill of Material

8	Cover	PC	1	ROHS
7	Polarity Plate	Fe	1	ROHS
6	Magnet	Nd-Fe-B	1	ROHS
5	PIN	Cu+Au	1	ROHS
4	Voice coil	CU	1	ROHS
3	Yoke	Fe	1	ROHS
2	Cone	peek	1	ROHS
1	Frame	PBT	1	ROHS
ITEM	DESCRIPTIONS	REMARK	QTY	REMARK

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	MODEL NO.	KB130806S2.5HL	SPEC. No	19101003

PRODUCT PACKAGE (fig. 4)	
 IT:MM NOTES: 1. 100 PCS PER TRAY PE PAN. 2. 2000 PCS PER CARTONS. 3. 2 CARTONS PER BOX. 4. 2000 PCS PER BOX.	

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