SPECIFICATION FOR APPROVAL

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書

Description : Micro Dynamic Speaker

Kingstate Part No. : KDMG10008C-03

Customer's Model No. :

Specification No. : PKD-7188

Number Of The Edition: 1.1

CU	CUSTOMER'S APPROVED SIGNATURE		

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Approved by	Checked by	Issued by
& Mary S	F 323/60	JIR 1/05/05'

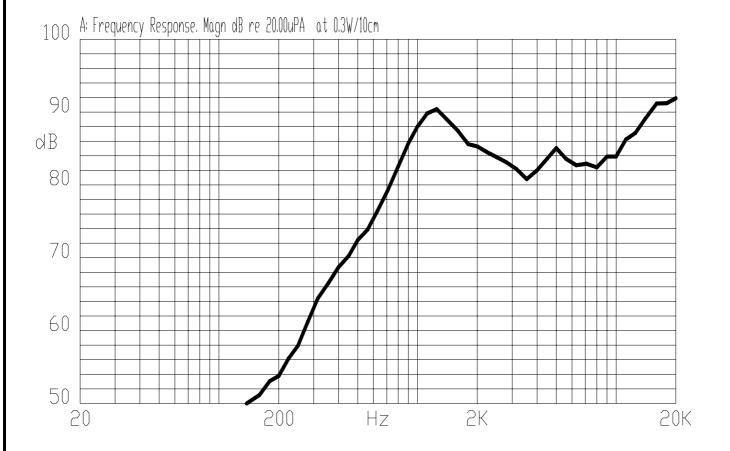
A. SCOPE 範疇

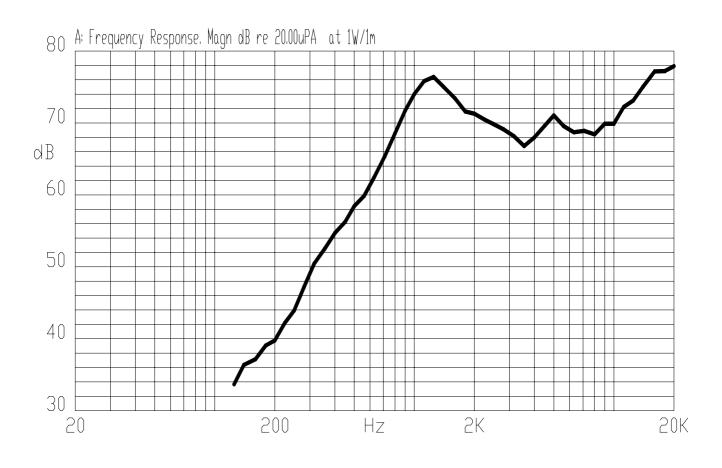
This specification applies speaker, **KDMG10008C-03** 此規格書適用於喇叭,**KDMG10008C-03**

B. SPECIFICATION 規格

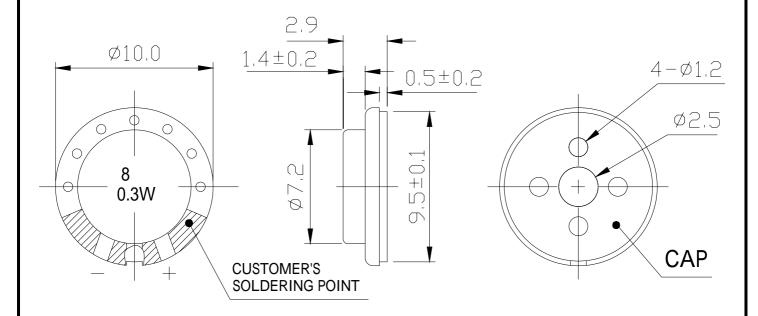
No.	Item	Symbol	Unit	Specification	Condition
1	Dimension 尺寸		mm	10.0 x 2.9	
2	Power Rating 功率		W	Rated. 0.3/ MAX. 0.5	
3	Impedance 阻抗		ohm	8 ± 15%	At 1.5KHz 1.0V
4	Resonance Frequency 低音諧振	Fo	Hz	1200 ± 20%	At ,1.0V
5	Output S.P.L. 音壓位準		dB	86 ± 3dB(0.3w/10cm) 72 ± 3dB(1w/1m)	At 1.0k,1.2k,1.5k,2.0kHz (Average figures)
6	Frequency Range 有效頻寬		Hz	Fo20K	
7	Distortion 失真		%	10 Max.	At 1.5kHz , 0.3W
8	Voice Coil 音圈		mm		
9	Magnet 磁石		mm	5.3 x 1.0	Nd-Fe-B (銣鐵錋)
10	Flux Density 磁通密度		Gauss		
11	Operating temp. 操作温度			- 20 ~ +55	
12	Buzze & Rattle 異常音				Not be audible at 1.55V sine wave between Fo ~ 20KHz 輸入 1.55V 正弦波從 Fo 到 20KHz 之間無異常音
13	Weight 重量		g	0.6	
14	Material 材質			Metal	
15	Environmental Protection Regulation 環保法規			ROHS	

C. TYPICAL FREQUENCY RESPONSE CURVE 頻率響應曲線



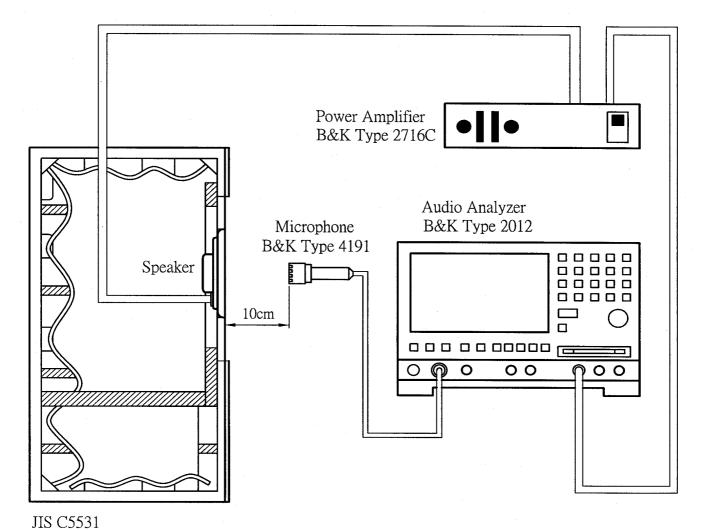


D. APPEARANCE DRAWING 外觀尺寸圖



Tol: ± 0.3 Unit: mm

E. MEASUREMENT CIRCUIT 測量線路



940mm x 640mm x 1240mm

志豐電子股份有限公司 KINGSTATE ELECTRONICS CORP 4/6 KDMG10008C-03

F. MECHANICAL CHARACTERISTICS 機械特性

No.	Item	Test condition	Evaluation standard
1	Vibration Tost	Speaker shall be measured after being applied vibration of amplitude of 1.52mm with 10 to 55Hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours. 振動週波數 10 55Hz、全振幅 1.52mm 於 X.Y.Z 3 個方向,各 2 小時	No obstacle to be harmful to normal operation; damages, cracks, rusts and distortions. Should not be audible at 1.55V sine wave between Fo ~ 20KHz 測試後無任何障礙防礙正常操作.且在輸入1.55V正弦波從Fo到20KHz之間無異常音
2	Drop lest	Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm 將揚聲器置於盒中,自 75 公分高度落在 40mm 木板上共 10 次	

G. ENVIRONMENTAL TEST 環境試驗

No.	Item	Test conditions	Evaluation standard
1	High temp. Test 高溫測試	After being placed in a chamber at +55 for 96 hours 置於+55 環境中 96 小時	
2	Low temp. Test 低溫測試	After being placed in a chamber at -20 for 96 hours. 置於-20 環境中 96 小時	Being placed for 6 hours at +25 , speaker shall be
3	Humidity test 相對濕度測試	After being placed in a chamber at +40 and 90±5% RH relative humidity for 96 hours. 置於+40 ,相對濕度 90±5%環境中 96 小時	measured. No obstacle to be harmful to normal operation; damages,
4	Temp. cycle test 溫度循環測試	The part shall be subjected to 5 cycles. One cycle shall be consist of: 單體承受溫度循環測試 5 次,其循環內容如圖示: +55 -20 0.5 0.5 hr 6hrs 6hrs	cracks, rusts, etc. Should not be audible at 1.55V sine wave between Fo ~ 20KHz. Fo should meet initial one. S.P.L. deviation of unit should be within ±3dB 經測試後, 靜置於+25 (室溫)環境中 6 小時後, 測 試後無任何障礙防礙正常操 作.且在輸入 1.55V 正弦波從 Fo 到 20KHz 之間無異常音. Fo 與原規格值相同輸出音壓 變化量在±3dB內

H. RELIABILITY TEST 信賴性試驗

No.	ltem	Test conditions	Evaluation standard
1	Load test 連續負荷	0.3W white noise is applied for 24 hours 輸入功率 0.3W,連續操作 24 小時	No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 1.55V sine wave between Fo ~ 20KHz. Fo should meet initial one. S.P.L. deviation of unit should be within ±3dB 測試後無任何障礙防礙正常操作.且在輸入1.55V正弦波從 Fo 到 20KHz 之間無異常音.Fo 與原規格值相同輸出音壓變化量在±3dB內

TEST CONDITION.

Standard Test Condition : a) Temperature : +5 ~ +35 b) Humidity : 45-85% c) Pressure : 860-1060mbar

 一般測試條件 : a) 溫度: +5 ~ +35
 b) 濕度: 45-85%
 c) 氣壓: 860-1060mbar

 Judgement Test Condition a) Temperature: +25 ± 2
 b) Humidity: 60-70%
 c) Pressure: 860-1060mbar

爭議時測試條件: a) 溫度:+25±2

b) 濕度:60-70% c) 氣壓:860-1060mbar

I. PACKING STANDARD 包裝規格

Each minimum package unit of products shall be in a carton box and it shall be clearly marked with Part Number, quantity and outgoing inspection number. There shall be no mechanical damage on products during transportation and/or in storage.

外箱須標示最小包裝單位,並註明產品型號、數量及檢驗批號,必須是物品儲藏或運輸過程中可 防止造成損傷的包裝.