

SPECIFICATION FOR APPROVAL

承 認 書

Description : Micro Dynamic Speaker
Kingstate Part No. : KDMG26008N-10W2
Customer's Model No. : _____
Specification No. : POD-7768
Number Of The Edition : 1.1

CUSTOMER'S APPROVED SIGNATURE		



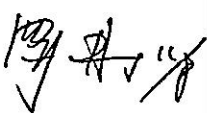
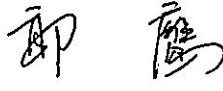
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Approved by	Checked by	Issued by
	 2022. 11. 8	Guo 2022.11.08

A. SCOPE 範疇

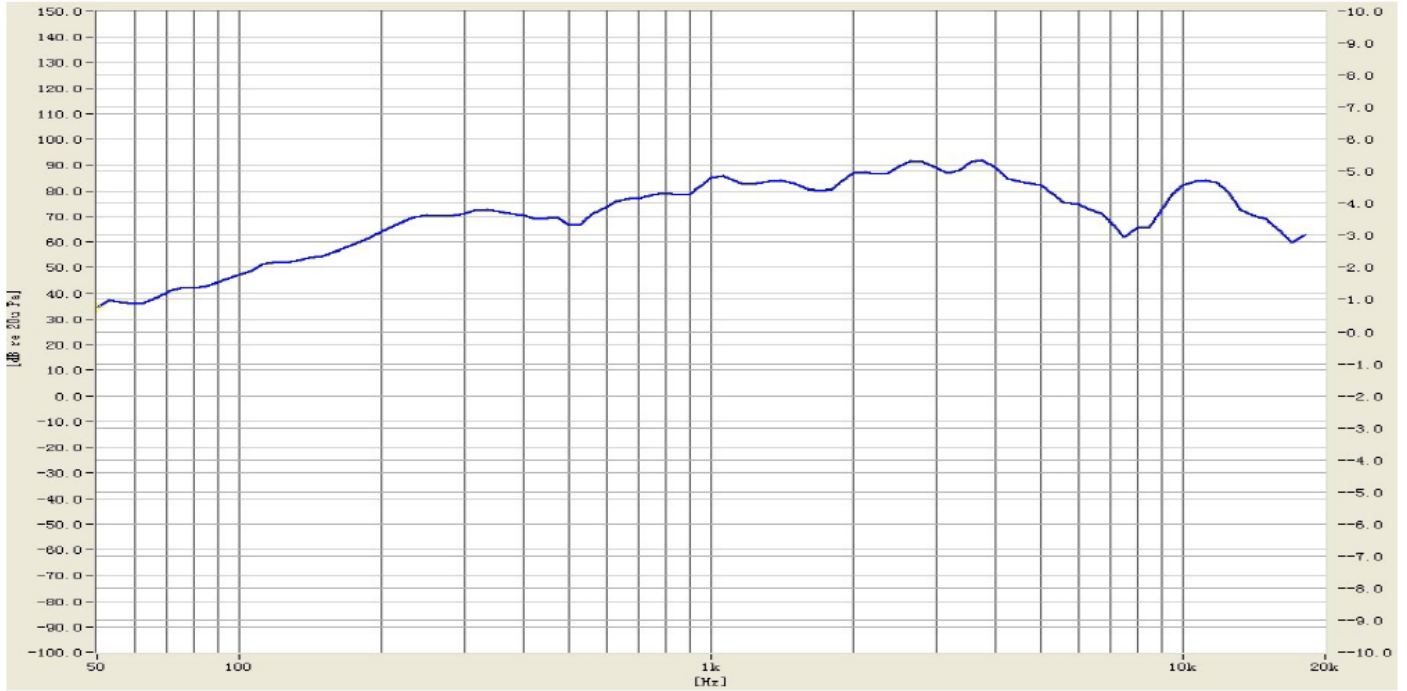
This specification applies speaker, **KDMG26008N-10W2**

此規格書適用於喇叭, **KDMG26008N-10W2**

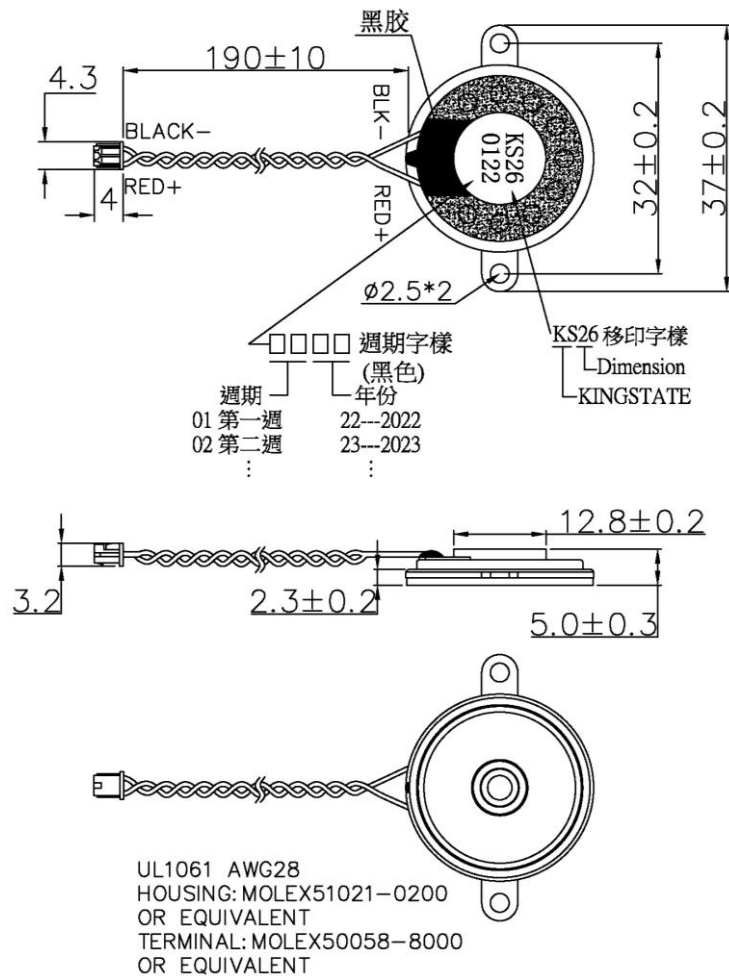
B. SPECIFICATION 規格

No.	Item	Symbol	Unit	Specification	Condition
1	Dimension 尺寸		mm	$\varnothing 26.0 \times 5.0$	
2	Power Rating 功率		W	Rated. 1.0/ MAX. 1.2	Maximum Power:IEC-60268-5 Filter 60s On/120s Off 10 Cycles (Room TEMP.)
3	Impedance 阻抗	Ω	ohm	$8 \pm 15\%$	At 2.0KHz
4	Resonance Frequency 低音諧振	Fo	Hz	$540 \pm 20\%$	At 1.0V
5	Output S.P.L. 音壓位準		dB	$84 \pm 3\text{dB}(1\text{w}/0.5\text{m})$	At 1.0k,1.2k,1.5k, 1.8KHz, (Average figures)
6	Frequency Rang 有效頻寬		Hz	Fo---20K	Output S.P.L. $\pm 10\text{dB}$
7	Distortion 失真		%	15% Max.	At 1~3KHz , 1.0W
8	Voice Coil 音圈		mm		
9	Magnet 磁石		mm		鈹鐵鋁
10	Flux Density 磁通密度		Gauss		Min.
11	Operating temp. 操作溫度		°C	-20 ~ +55	
12	Buzze & Rattle 異常音				Not be audible at 2.83V sine wave between Fo ~ 20KHz 輸入 2.83V 正弦波從 Fo 到 20KHz 之間無異常音.
13	Weight 重量		g		
14	Material 材質			Metal	
15	Environmental Protection Regulation 環保法規			RoHS2.0	

C. TYPICAL FREQUENCY RESPONSE CURVE 頻率響應曲線

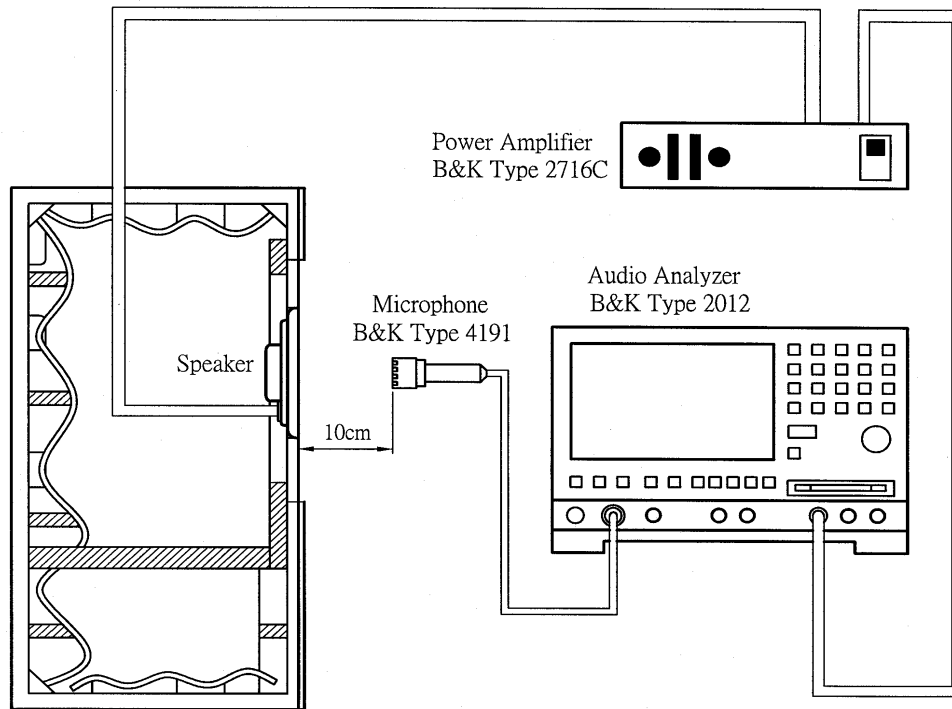


D. APPEARANCE DRAWING 外觀尺寸圖



Unit:mm Tol: ± 0.3 mm

E. MEASUREMENT CIRCUIT 測量線路

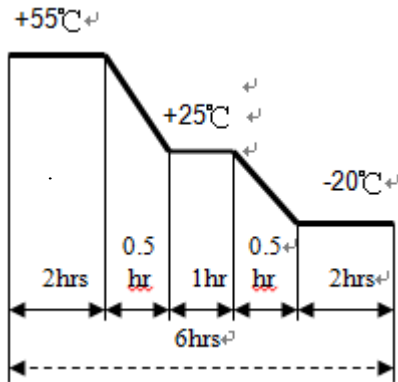


JIS C5531
940mm x 640mm x 1240mm

F. MECHANICAL CHARACTERISTICS 機械特性

No.	Item	Test condition	Evaluation standard
1	Solderability 焊錫附著性 (Connector excepted) (端子類不適用此項)	Stripped wires of lead wires are immersed in rosin for 5 seconds and then immersed in solder bath of $+270\pm 5^{\circ}\text{C}$ for 3 ± 0.5 seconds. 裸線部份浸入松香溶液 5 秒後,再浸入 $+270\pm 5^{\circ}\text{C}$ 溶融焊錫槽 3 ± 0.5 秒.	90% min. stripped wires shall be wet with solder.(Except the edge of terminal) 浸入裸線部份附著焊錫 90% 以上.(末端斷面不算)
2	Lead Wire Pull Strength 線材拉力	The pull force shall be applied to double lead wire : Horizontal 3.0N(0.306kg) for 30 seconds. Vertical 2.0N(0.204kg) for 30 seconds. 雙線材水平方向施以 3.0N(0.306kg)的力量, 垂直方向施以 2.0N(0.204kg) 的力量,各 30 秒.	No damage and cutting off 線材不鬆動, 不脫落.
3	Vibration Test 振動測試	Speaker shall be measured after being applied vibration of amplitude of 1.5mm 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 1.5mm 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 2.83V sine wave between $F_0 \sim 2.0\text{KHz}$
4	Drop Test 落下測試	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.	測試後無任何障礙防礙正常操作.且在輸入 2.83V 正弦波從 F_0 到 2.0KHz 之間無異常音.

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 +60°C for 96 hours 置於+55°C環境中 96 小時	Being placed for 6 hours at +25°C, speaker shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 2.83V sine wave between Fo ~ 2.0KHz. Fo should meet initial one. S.P.L. deviation of unit should be within ±3dB 經測試後,靜置於+25°C (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 2.83V 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.
2	Low temp. Test 低溫測試	After being placed in a chamber at -20°C for 96 hours. 置於-20°C環境中 96 小時	
3	Humidity test 相對濕度測試	After being placed in a chamber at +40°C and 90±5% RH relative humidity for 96 hours. 置於+40°C, 相對濕度 90±5%環境中 96 小時	
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: 	

H. RELIABILITY TEST 信賴性試驗

No.	Item	Test conditions	Evaluation standard
1	Load test 連續負荷	1.0W white noise is applied for 24 hours, at room temp. 在室溫下,輸入功率 1.0W, 白雜音連續操作 24 小時.	Being placed for 1 hours at +25°C, speaker shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 2.83V 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°C (室溫) 環境中 1 小時後,測試後無任何障礙防礙正常操作.且在輸入 2.83V 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.

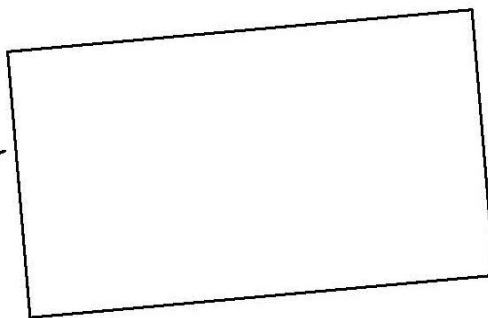
Standard Test Condition :	a) Temperature : +5 ~ +35°C	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般測試條件 :	a) 溫度 : +5 ~ +35°C	b) 濕度 : 45-85%	c) 氣壓 : 860-1060mbar
Judgement Test Condition:	a) Temperature : +25 ± 2°C	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
爭議時測試條件 :	a) 溫度 : +25 ± 2°C	b) 濕度 : 60-70%	c) 氣壓 : 860-1060mbar

I. PACKING STANDARD 包裝規格

1:Dimension: ±5

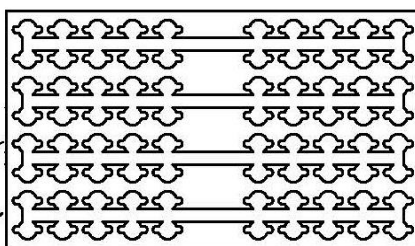
2:unit :mm

最上层加纸板



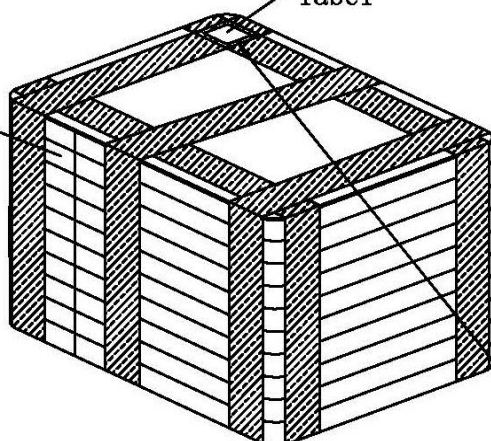
80PCS

Tray





label

20盘

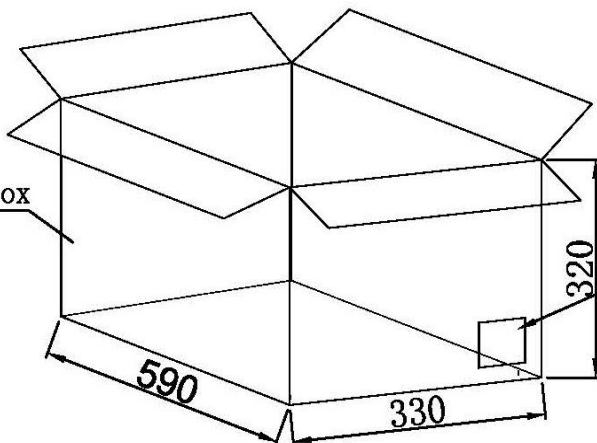


層別票 (Label)

Lot No.	XXXXXXXXXX
Model No.	KDMD26008N-10W2
Quantity.	XXXX Pcs
Date:	XXXX
	
	

- ⇒ 訂單號
- ⇒ 志豐料號
- ⇒ 數量
- ⇒ 週年

carton box



Tray	580*320*15	1*80PCS=80PCS
carton box	590*330*320(外)	20*80PCS=1600PCS

備註:

1. 本產品必須符合ROHS的環保要求.
2. 未指示公差表參照.