# APPROVAL SHEET



CUSTOME	R NAME :_		
COMMODITY		Mylar Speake	er
TDAUSA P	ART NO. :_	MS1511K03-8E0	08-S65
CUSTOME	R PART NO. :		
Approved by	Y. J.	Prepared by	HY Shen

Customer Approval			
Approved		Reje	ected

8104 Lynores Way, Plano, TX 75025

Tel: 469-409-2828 Cell: 408-693-5952

Email: <a href="mailto:sales@fhdmfg.com">sales@fhdmfg.com</a> Website: <a href="mailto:www.fhdmfg.com">www.fhdmfg.com</a>



#### **REVISIONS**

PRODUCT PART NO.	: MS1511K03-8E008-S6	5
------------------	----------------------	---

PRODUCT PART NO. : MS1511K03-8E008-S65					
DATE	REVISER	REV.	DESCRIPTION	REMARK	
2023/7/26	HY SHEN	1	Initial edition		

### A. PART NO.: MS1511K03-8E008-S65

### **B. SPECIFICATION**

Test condition: Temperature: 15~35℃ Related Humidity:25~75% (GB/T9396-1966)

No.	Item	Specification	Condition
1	Dimension	15 x 11 x H 3 mm	
2	Impedance	8 Ω ± 20%	1.0V at 2000Hz
3	Resonant Frequency	550Hz ± 20%	In 1cc box @ 1.0V (without baffler)
4	Output Sound Pressure Level S.P.L.	94 ± 3db	0.1M, 0.8W @ 0.8, 1, 1.2, 1.5KHz (0dB SPL=20uPa) in 1cc box
5	Frequency Range	F0 14KHz	
6	Power Rating	Normal: 0.8 Watts Maximum: 1.0 Watts	In 1cc box In 1cc box
7	Operating Temp.	- 30 ~ + 70℃	
8	Storage Temp	- 40 ~ + 85℃	
9	Audible Noise	The input power shall be set at rated noise power(0.8W in 1cc box). Using an audio oscillator sweep from F0 to 14KHZ in free air. There shall be no buzzes,rattles,nor spurious noises.	0.8W, in 1cc box
10	Distortion	Less than 10%	At 1.0KHz
11	Ingress Protection Rating	IP65	
12	RoHS	The Speaker is RoHS compliant.	
13	Net Weight	Approx 1.5g	

### **C. ENVIRONMENTAL TEST**

No.	Item	Condition	Evaluation standard
1	High Temperature	After being placed in a chamber at +85 $\pm$ 5 $^{\circ}$ C for 96 hours	Being placed for 4 hours at room temperature, speaker shall be measured.  SPL should not deviate by ± 3 db, and resonant frequency should not
2	Low Temperature	A66 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	deviate by $\pm$ 80 Hz,
3	Humidity Test	After being placed in a chamber at +40 $\pm$ 5°C and 90~95%(RH) Relative Humidity for 96 hours.	compare with pre-test measurement.

4	Temperature Cycle Test	Temperature: -40°C ← → +85°C  Duration: 2 hours 2 hours  Cycle: 5 Cycle	
5	Heat Shock Test	High temperature $+85 \pm 2^{\circ}$ C  Low temperature $-40 \pm 2^{\circ}$ C  Changeover Time < 30 seconds  Duration 1 hour  Cycle 5	

# D. MECHANICAL AND VIBRATION TEST

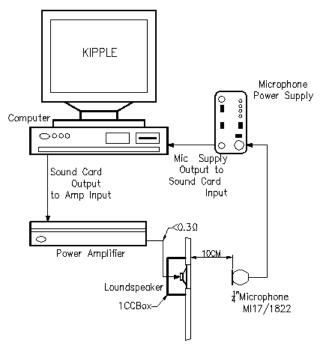
No.	Item	Test condition	Evaluation standard
1	Vibration Test		SPL shall not deviate by $\pm 3$ db from pre-test
		Drop the speakers onto the concrete board 6 times from the height of 100 cm.	measurement,

# E. RELIABILITY TEST

No.	Item	Test conditions	Evaluation standard
1	iloao iesi	White noise: 20~20KHz, 96 hours @ 0.8W input power, in 1cc box	Speaker should not fail after apply 1KHz White noise rated power input (RMS), 96 hours. After test, SPL shall not deviate by ±3 db from pre-test measurement.

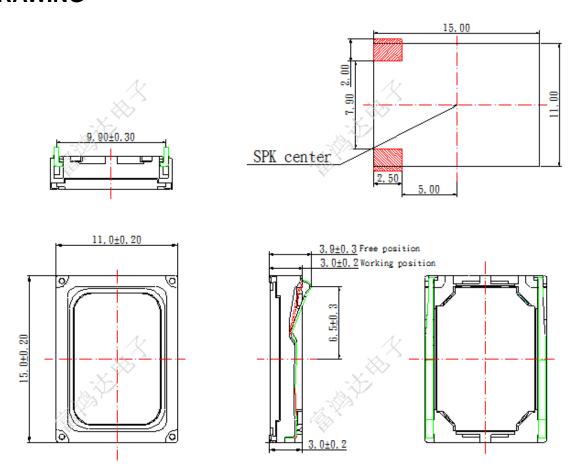
### F. ELECTRICAL AND ACOUSTICAL MEASURING CONDITION

1CC BOX



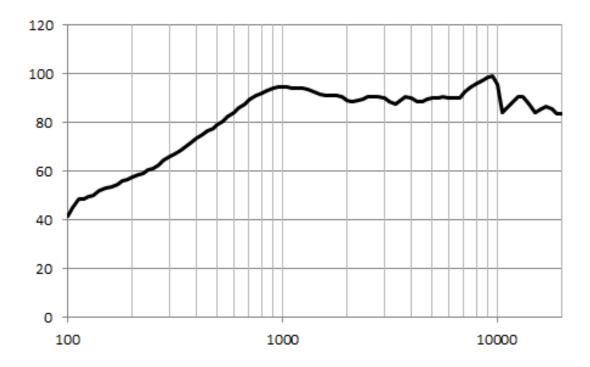


#### **G. DRAWING**

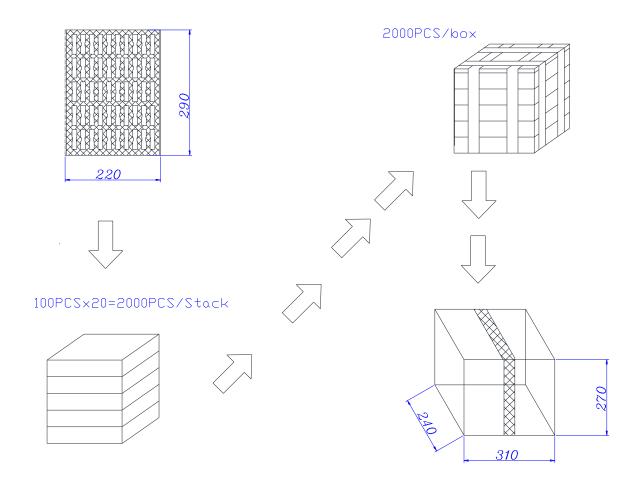


\*Unit: mm; Tolerance: ± 0.3mm Except Specified

# H. FREQUENCY RESPONSE CURVE



### I. PACKING INFORMATION



每盘 100 个 100pcs of speaker in each tray

每箱 20 盘 20 trays in one carton

总计:2000 个 / 1 箱 Total:2000 pcs / 1 carton

毛重: 4.5KGS Gross Weight: 4.5KGS

净重: 3.0KGS Net Weight: 3.0KGS