APPROVAL SHEET



CUSTOMER NAME	•	
COSTONIER NAME	•	

COMMODITY : Mylar Speaker

FHD PART NO. : MS15R035-8T12A

CUSTOMER PART NO.:



Approved by	Y. J.	Prepared by	HY Shen
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Customer Approval			
Approved	Rejected		

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REVISIONS

PRODUCT PART NO.: MS15R035-8T1

TRODUCTI ART NO. 1 MICTOROGO OT 12A				
DATE	REVISER	REV.	DESCRIPTION	REMARK
2023/7/27	HY SHEN	1	Initial edition	
		1		

A. PART NO.: MS15R035-8T12A

B. SPECIFICATION

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

1031 0011	idition. Temperature. 10 00 c	(Ob/1000-1000)		
No.	Item	Specification	Condition	
1	Dimension	Dia. 15 x H4.4mm	Including double-side adhesive	
2	Weight	grams		
3	Rated Impedance	8Ω ± 20%	At 1000Hz	
4	Resonant Frequency	900Hz ± 20%	At 1Vrms without baffler	
5	Output Sound Pressure Level S.P.L.	86 ± 3db	0.1M / 0.1W At 0.8, 1, 1.2, 1.5KHz 0dB SPL=20uPa	
6	Frequency Range	Frequency Range F020000Hz		
7	Distortion	Distortion 5% Maximum		
8	Magnet	NdFeB		
9	Power Rating Normal: 1.2 Watts Maximum: 1.5 Watts		Sine Wave	
10	Operating Temp.	- 20 ~ + 60℃		
11	Storage Temp.	- 30 ~ + 70℃		
12	Audible Noise	The input power shall be set at rated noise power (1.0W). Using an audio oscillator sweep from F0 to 10000HZ in free air. There shall be no buzzes and rattles and nor spurious noises.	Sine Wave	
13	Polarity	When a positive D.C current is applied to the voice coil terminal marked (+). The diaphragm shall move forward.		
14	RoHS	The Speaker is RoHS compliant.		
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C. ENVIRONMENTAL TEST

No.	ltem	Condition	Evaluation standard
			Being placed for 6 hours
1	High Temperature	After being placed in a chamber at 170 C13 C for 30 flours	at room temperature, speaker shall be

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2023年7月27日

			measured.
2 Low Temperature		SPL should not deviate by	
		± 3 db, and resonant	
			frequency should not
		After being placed in a chamber at +40♀5°C and 90~95%(RH) Relative Humidity for 96 hours.	deviate by \pm 80 Hz,
3 Humidity Test	compare with pre-test		
			measurement.
4.	Hest	Temperature: -30°C ← → +70°C Duration: 2hrs 2hrs Cycle: 5 cycles	

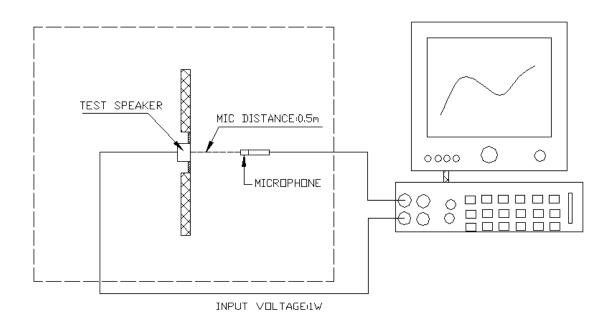
D. MECHANICAL AND VIBRATION TEST

No.	Item	Test condition	Evaluation standard
1	Drop Test	Drop from 1.0m height onto concrete floor 6 times	SPL shall not deviate by ± 3
2	Vibration Test	Vibration: 10Hz∼55Hz	db from pre-test measurement.

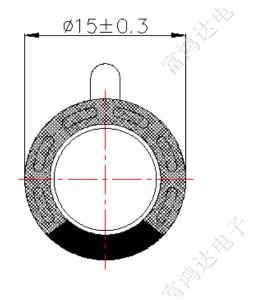
E. RELIABILITY TEST

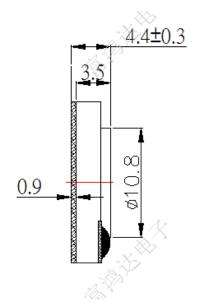
No.	Item	Test conditions	Evaluation standard
		Speaker should not fail	
		pad Test 1.2W White noise is applied for 96hours	after apply 20 ~ 20K Hz
			White noise rated power
1	1 Load Test 1.2W White noise is applied for 96hours		input (RMS), 100 hours.
			After test, SPL shall not
			deviate by ±3 db from pre-
			test measurement,

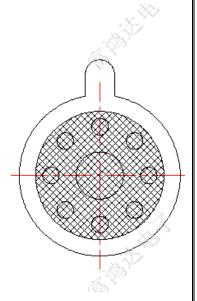
F. MEASUREMENT CIRCUIT



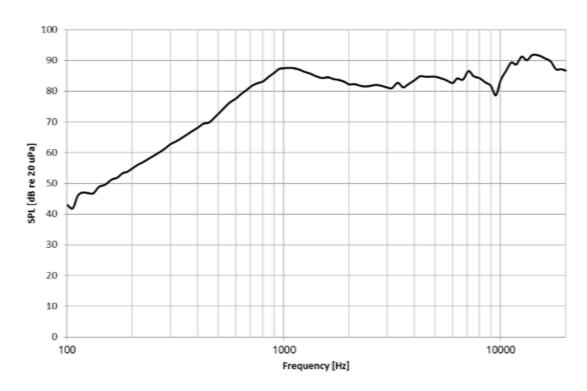
G. DRAWING *Unit: mm; Tolerance: ±0.5mm Except Specific







H. SOUND PRESSURE CURVE



K. PACKING INFORMATION (TBD)