



# SPECIFICATION

## APPROVAL SHEET

CUSTOMER OZDISAN  
PRODUCTS : MICRO MYLAR SPEAKER  
CUSTOMER NUMBER :  
MODEL NUMBER : **ESP36-2A-60J-R**  
DATE : **2017-3-28**  
REVERSION :

APPROVED	Q.C	CHECK	REVIEW

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	MODEL NO.	ESP36-2A-60J-R	

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**主要部件:**

序号	部 件	规 格	供 应 商	数 量	备 注
1	铁盆架	Φ36	新声	1	
2	磁钢	NaFeB	中元	1	
3	极芯片(华司)	Φ12.7*0.8	新声	1	
4	音圈	Φ13.6*8Ω H2	勤达	1	
5	振膜	PEI	宇达	1	
6	压圈	ABS	新声	1	
7	防尘网	无防布	鑫达	1	
8	接线板	覆铜板	金中	1	

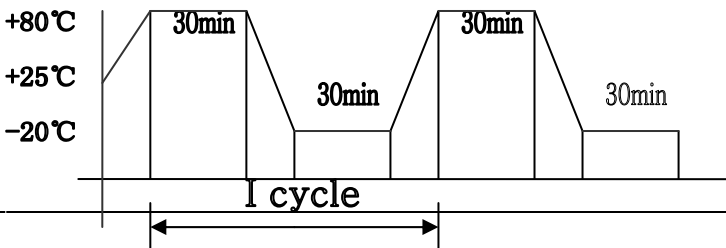
**Note: “√” Presented with this Specifications**

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1	<b>SUM-UP</b>	
	1-1 SCOPE	This specification is a typical speaker unit (GSP1711-1008-02) for Telephone handset
	1-2 DIMENSIONS	As shown in fig. (1)
	1-3 SIZE	<b>36</b> ± 0.2 mm
	1-4 NET WEIGHT	APPROX. 7.0 g
2	<b>ELECTRICAL AND ACOUSTICAL CHARACTERISTICS</b>	
	2-1 TEST SET UP	Measuring conditions and procedures shown in fig. (2)
	2-2 DC RESISTANCE	<b>8</b> ± 15% ohm
	2-3 SOUND PRESSURE LEVEL	<b>82</b> ± 3dB SPL / <b>0.1W</b> / <b>10cm</b> at <b>1.0</b> KHz, Input <b>1.78Vrms</b>
	2-4 RESPONSE FREQUENCY	F0: <b>500</b> ± 20% Hz
	2-5 INPUT POWER (NOM. /MAX. )	<b>0.5W</b> / <b>1.0W</b> (Pink noise with JIS filter) 1 minute, 10 times at intervals of 2 minutes)
	2-6 AUDIBLE NOISE	Must be free audible noise (buzzes and rattles ) ( <b>100</b> Hz~ <b>3000</b> Hz frequency range, input level up to <b>2.0Vrms</b> )
	2-7 DISTORTION	Less than <b>5%</b> at <b>1</b> KHz <b>0.1W/10cm</b>
	2-8 OPERATING TEMPERATURE	-25°C to +70°C
	2-9 STORAGE TEMPERATURE	-25°C to +80°C

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RELIABILITY TESTS	
3-1 GENERAL	After any following tests the response at 1 KHz shall not deviate more than $\pm 3$ dB from the initial value.
3-2 LOAD TEST	Input power: <b>0.5W</b> , pink noise <b>96</b> hours (Shall be normal)
3-3 HUMIDITY TEST	Temperature: $+40^{\circ}\text{C}\pm 3^{\circ}\text{C}$ Relative Humidity: 90%~95% Duration: 48 hours (recovery 6 hours) (Shall be normal)
3-4 DROP TEST	Height: 1M Cycle: 10cycles (Shall be normal)
3-5 VIBRATION TEST	Frequency: 1800cycles/min. Amplitude: 1.5mm Duration: 1 hour in each of 3axes (Shall be normal)
3 3-6 TEMPERATURE SHOCK TEST	Temperature: $-25^{\circ}\pm 3^{\circ}\text{C}$ $\longleftrightarrow$ $80^{\circ}\text{C}\pm 3^{\circ}\text{C}$ Total:32 cycles Duration: 30minutes Transition time: less than 5minutes (Shall be normal) 
3-7 HIGH TEMPERATURE TEST	Temperature: $+80^{\circ}\text{C}\pm 3^{\circ}\text{C}$ Duration: 96 hours (Shall be normal)
3-8 LOW TEMPERATURE TEST	Temperature: $-25^{\circ}\text{C}\pm 3^{\circ}\text{C}$ Duration: 96 hours (Shall be normal)
3-9 TERMINAL STRENGTH TEST	Load: 1.5 Kg Duration: 15sec (Shall be normal)

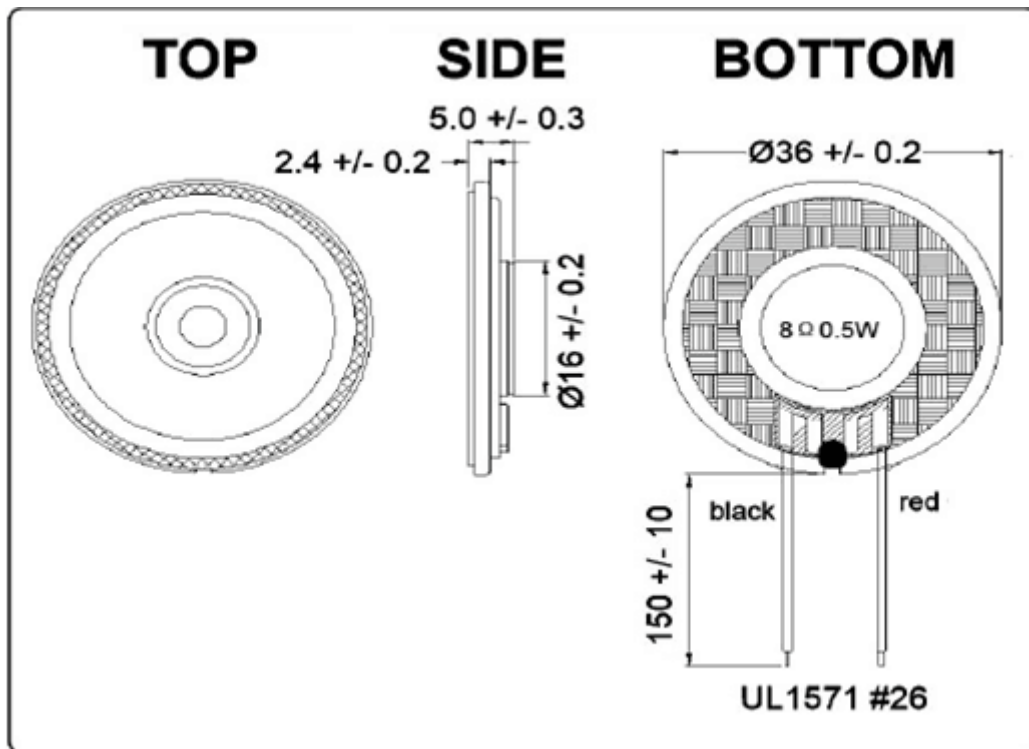
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MAIN DIMENSIONS (fig.1)

TOLERANCE : ±0.3

UNIT : mm

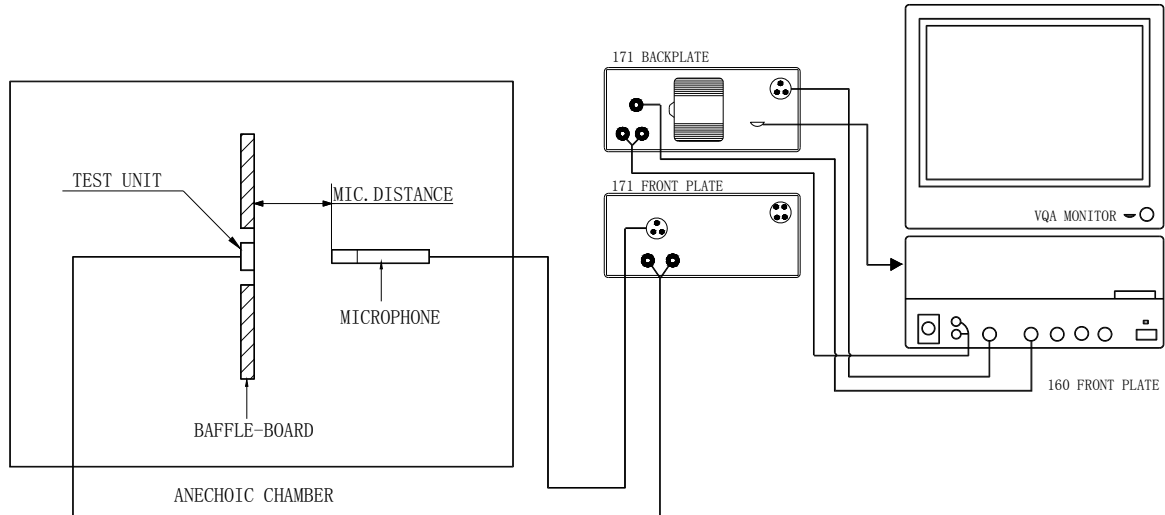
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# ELECTRICAL AND ACOUSTICAL MEASURING CONDITION(fig. 2)



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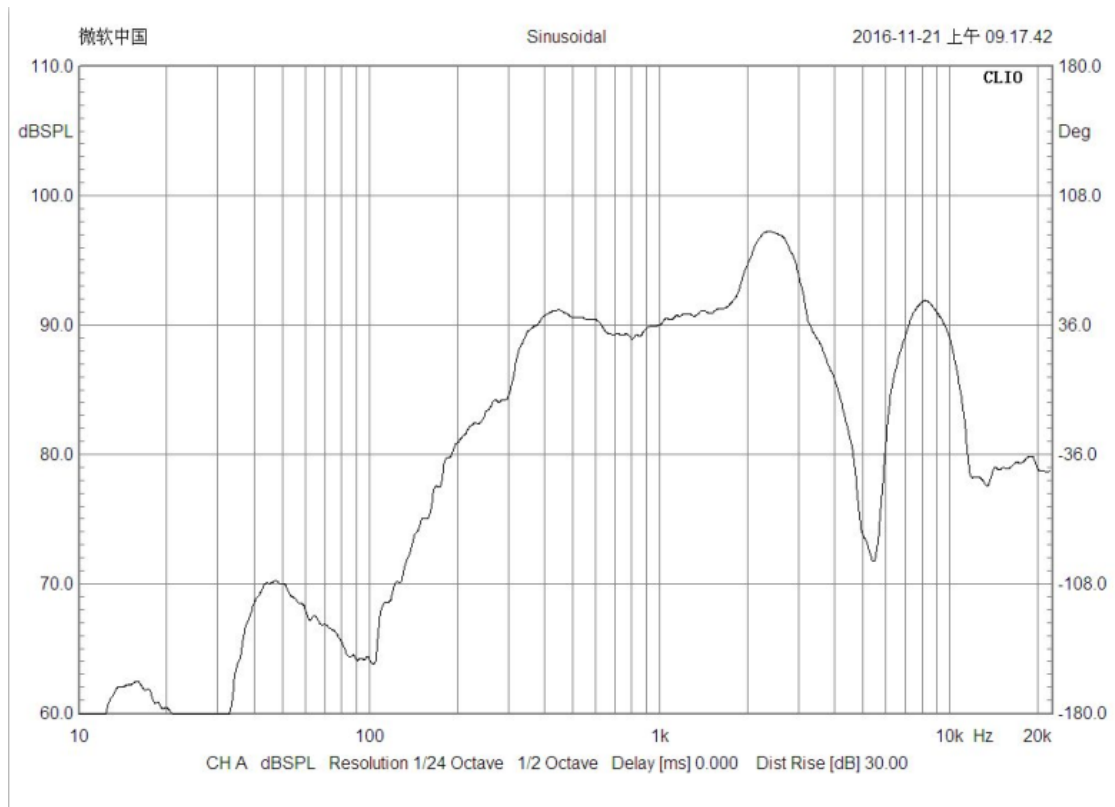
MIC DISTANCE:10cm  
 INPUT VOLTAGE:1. 78V  
 MICROPHONE: 8120 H  
 BAFFLE-BOARD:Refer to IEC 268-5

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FREQUENCY RESPONSE (fig. 3)

MICRO SPEAKER  
EFFICIENCY  $90 \pm 3\text{dB}$

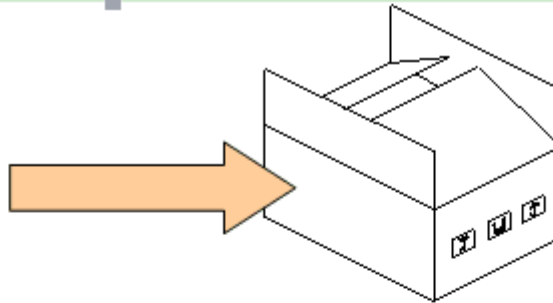


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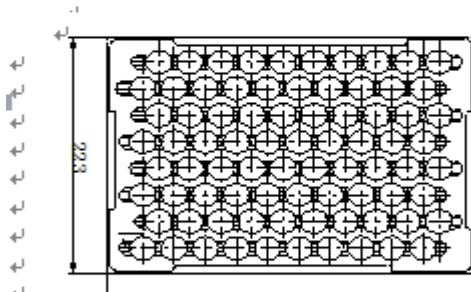
		SPECIFICATIONS	7 / 7
MICRO SPEAKER	MODEL NO.	E36-2A-60J-R	

# PACKAGE SPECIFICATION

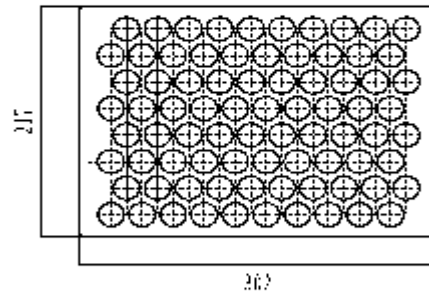
DYNAMIC SPEAKER.  
TYPE: YDT36-2A-60J-R  
QUANTITY: 1600PCS.  
GROSS WT: 16KG.  
NET WT: 14KG.  
VOLUME: 49\*46\*39.



**DRAWING OF PS (POLYSTYRENE) TRAY (BOTTOM)  
(TOP)**



**DRAWING OF PS (POLYSTYRENE) COVER**



(unit: mm)

**[NOTE]**

1. 80 pcs of receiver in each tray;
2. 20trays in one paper box.

