

SPECIFICATION

SHEET FOR APPROVAL

CUSTOMER:

PRODUCTS:

MODEL NUMBER: DXYD104W-60P-8A-F

CUSTOMER PART NUMBER:

CONCISE DESCRIPTION:

	PREPARED	CHECKED	APPROVED
SIGNATURE			
DATE	2020/12/22	2020/12/22	2020/12/22

CUSTOMER CONFIRMATION

SIGNATURE: _____

DATE: _____

常州声易尚电子有限公司
CHANGZHOU E-SOUND ELECTRONICS CO., LTD.

SPECIFICATION		MODEL NO.	DXYD104W-60P-8A-F	P1/5												
ISSUED DATE		UPDATE	00													
<p>1. SCOPE</p> <p>This specification covers our product of dynamic speaker unit is for cordless phone use. .</p> <p>2. MECHANICAL LAYOUT & DIMENSIONS</p> <p>Shown in Fig.4</p> <p>3. GENERAL REQUIREMENTS</p> <p>3.1 OPERATING TEMPERATURE RANGE: -20°C ~ +65°C</p> <p>3.2 STANDARD TEST CONDITIONS:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Temperature:</td> <td style="padding-left: 100px;">17~25°C</td> </tr> <tr> <td style="padding-left: 20px;">Relative Humidity:</td> <td style="padding-left: 100px;">45%~80%(RH)</td> </tr> <tr> <td style="padding-left: 20px;">Air Pressure:</td> <td style="padding-left: 100px;">860~1060 hPa</td> </tr> </table> <p>3.3 JUDGEMENT CONDITIONS:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Temperature:</td> <td style="padding-left: 100px;">20±2°C</td> </tr> <tr> <td style="padding-left: 20px;">Relative Humidity:</td> <td style="padding-left: 100px;">60%~70%(RH)</td> </tr> <tr> <td style="padding-left: 20px;">Air Pressure:</td> <td style="padding-left: 100px;">860~1060 hPa</td> </tr> </table> <p>4. ELECTROACOUSTIC CHARACTERISTIC</p> <p>4.1 SOUND PRESSURE LEVEL</p> <p>90±3dB SPL (Average at 800Hz,1000Hz,1200Hz,1500Hz)</p> <p>Measuring condition: 1.0W (Sine wave) 1.0m measured with baffler shown in Fig.1.</p> <p>4.2 IMPEDANCE: 8±15%Ω (@ 1KHz 1V) without baffler.</p> <p>4.3 MEASURING DIAGRAM: Shown in Fig.1.</p> <p>4.4 TYPICAL FREQUENCY RESPONSE CURVE: Shown in Fig.2.</p> <p>4.5 RATED POWER: 10W (White Noise for 48hours) .</p> <p style="padding-left: 20px;">MAX POWER: 20W.</p> <p>4.6 RESONANCE FREQUENCY (F₀): 120±20%Hz @ 1V.</p> <p>4.7 SOUND POWER: 10W (F₀~15KHz) must be normal with sine wave 8.9Vrms).</p>					Temperature:	17~25°C	Relative Humidity:	45%~80%(RH)	Air Pressure:	860~1060 hPa	Temperature:	20±2°C	Relative Humidity:	60%~70%(RH)	Air Pressure:	860~1060 hPa
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SPECIFICATION		MODEL NO.	DXYD104W-60P-8A-F	P2/5
ISSUED DATE		UPDATE	00	
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■ **FREQUENCY MEASURING CIRCUIT (SPEAKER MODE) (Fig.1)**

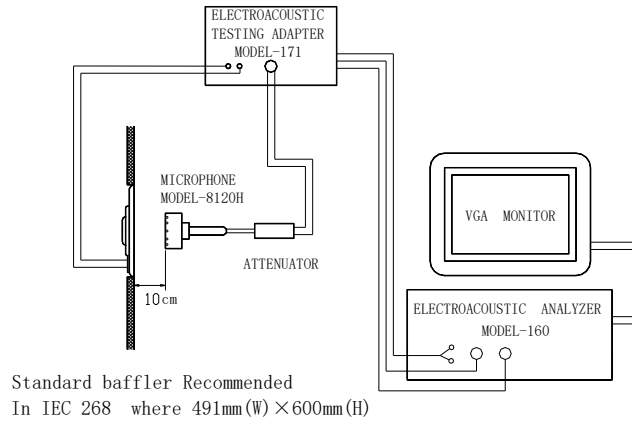


Fig.1 Illustration of measuring diagram (speaker mode)

■ **TYPICAL FREQUENCY RESPONSE CURVE (SPEAKER MODE) (Fig.2)**

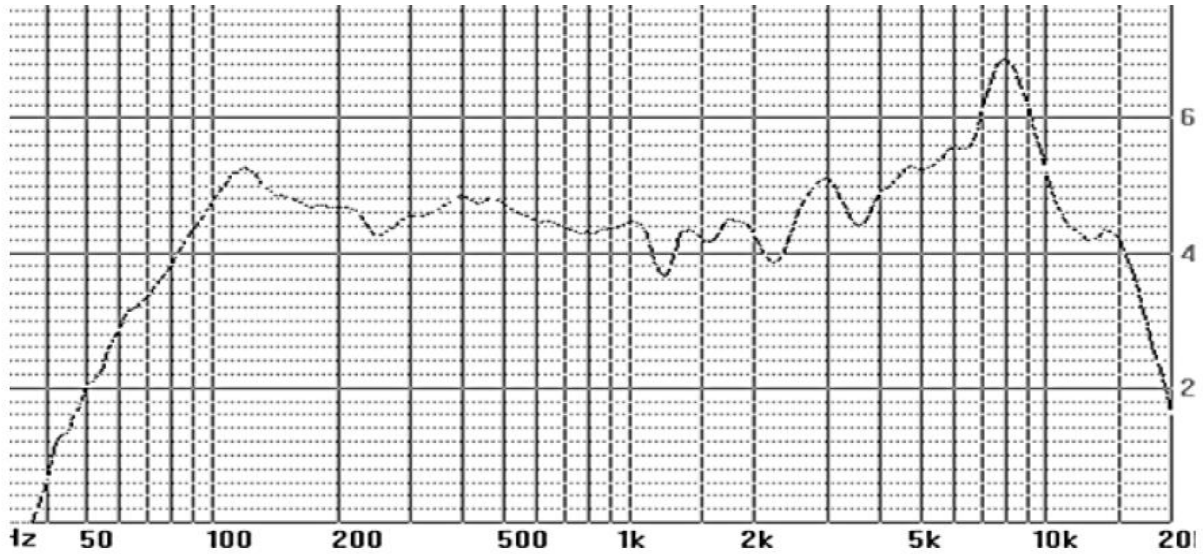


Fig.2 Typical frequency response curve (speaker mode)

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4					
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ISSUED DATE			-F		
REVERSION		UPDATE	00		
6. RELIABILITY TESTS					
<p>The sound pressure as specified shall neither deviate more than $\pm 3\text{dB}$ from the initial value, nor any significant damage after any of following testing.</p>					
6.1 HIGH TEMPERATURE TEST					
High temperature:		+70\pm3$^{\circ}$C			
Duration:		48 hours			
6.2 LOW TEMPERATURE TEST					
Low temperature :		-20\pm3$^{\circ}$C			
Duration:		48 hours			
6.3 HUMIDITY TEST					
Temperature:		+40\pm2$^{\circ}$C			
Relative humidity:		90~95%			
Duration:		48 hours			
6.4 TEMPERATURE CYCLE TEST (See in Fig.3)					
Temperature:		-20$^{\circ}$C \longleftrightarrow +70$^{\circ}$C			
Duration:		1hr 0.5hr 1hr			
Temperature gradient:		1~3$^{\circ}$C/min.			
Cycle:		6			
6.5 DROP TEST					
Mounted with dummy set mass:		100 g			
Height:		75cm			
Cycle:		3times(corner, side, plane) onto the concrete board			
6.6 LOAD TEST					
Speaker mode: White noise (EIA filter) for 48 hours @10W(8.9Vrms) input power.					
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4				
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ISSUED DATE			-F	
REVERSION			00	

TEMP. CYCLE TEST (Fig.3)

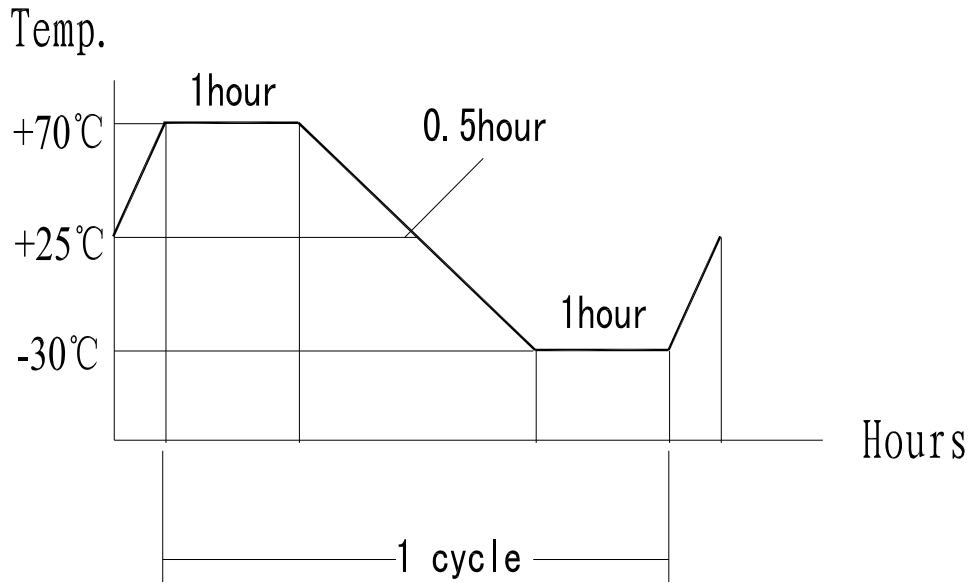


Fig.3 Illustration of temp. cycle test

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4					
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6. DIMENSIONS (Fig.4)

Unless otherwise specified, tolerance: ± 0.2 (unit: mm)

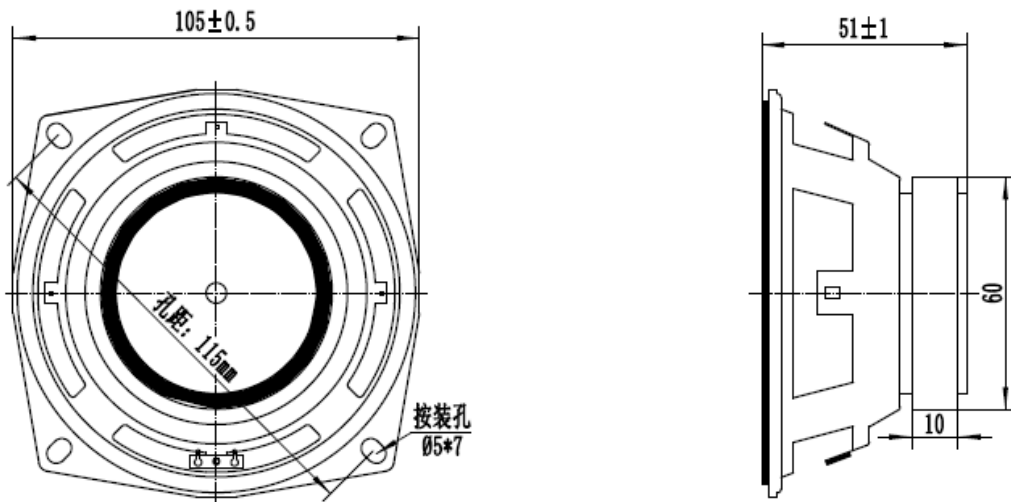


Fig.4 Outer dimension

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