

SPECIFICATION

SHEET FOR APPROVAL

CUSTOMER:

PRODUCTS:

MODEL NUMBER: DXYD50N-22N-8A-F

CUSTOMER PART NUMBER:

CONCISE DESCRIPTION:

“DXYD50N-22N-8A-F H 16 8 Ω ”

	PREPARED	CHECKED	APPROVED
SIGNATURE			
DATE			

<p>CUSTOMER CONFIRMATION</p> <p>SIGNATURE: _____</p> <p>DATE: _____</p>
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常州声易尚电子有限公司
CHANGZHOU E-SOUND ELECTRONICS CO., LTD.

SPECIFICATION		MODEL NO.	<i>DXYD50N-22N-8A-F</i>	P1/5	
ISSUED DATE	REVERSION	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> <p style="margin-left: 40px;">Temperature: 17~25°C</p> <p style="margin-left: 40px;">Relative Humidity: 45%~80%(RH)</p> <p style="margin-left: 40px;">Air Pressure: 860~1060 hPa</p> <p>3.3 JUDGEMENT CONDITIONS:</p> <p style="margin-left: 40px;">Temperature: 20±2°C</p> <p style="margin-left: 40px;">Relative Humidity: 60%~70%(RH)</p> <p style="margin-left: 40px;">Air Pressure: 860~1060 hPa</p> <p>4. ELECTROACOUSTIC CHARACTERISTIC</p> <p>4.1 SOUND PRESSURE LEVEL</p> <p style="margin-left: 40px;">87±3dB SPL (Average at 800Hz,1000Hz,1200Hz,1500Hz)</p> <p style="margin-left: 40px;">Measuring condition: 0.1W (Sine wave) 0.1m measured with baffler shown in Fig.1.</p> <p>4.2 IMPEDANCE: 8±20%Ω (@2KHz 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: 0.5W (White Noise for 48hours) .</p> <p style="margin-left: 40px;">MAX POWER: 1.0W.</p> <p>4.6 RESONANCE FREQUENCY (F₀): 280 ±20%Hz @ 1V.</p> <p>4.7 SOUND POWER: 0.5W (F0~15KHz) must be normal with sine wave (2.0 Vrms).</p>					
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■ **FREQUENCY MEASURING CIRCUIT (SPEAKER MODE) (Fig.1)**

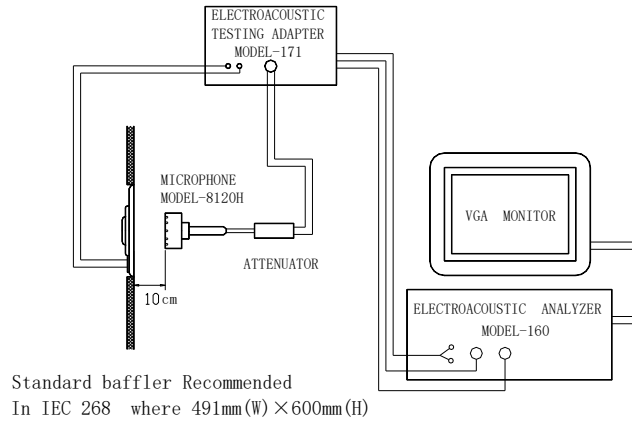


Fig.1 Illustration of measuring diagram (speaker mode)

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

Fig.2 Typical frequency response curve (speaker mode)

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6. RELIABILITY TESTS					
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.					
6.1 HIGH TEMPERATURE TEST					
High temperature:		+70\pm3$^{\circ}$C			
Duration:		96 hours			
6.2 LOW TEMPERATURE TEST					
Low temperature :		-30\pm3$^{\circ}$C			
Duration:		96 hours			
6.3 HUMIDITY TEST					
Temperature:		+40\pm2$^{\circ}$C			
Relative humidity:		90~95%			
Duration:		96 hours			
6.4 TEMPERATURE CYCLE TEST (See in Fig.3)					
Temperature:		-30$^{\circ}$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 @0.5W(2.0Vrms) input power.					
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TEMP. CYCLE TEST (Fig.3)

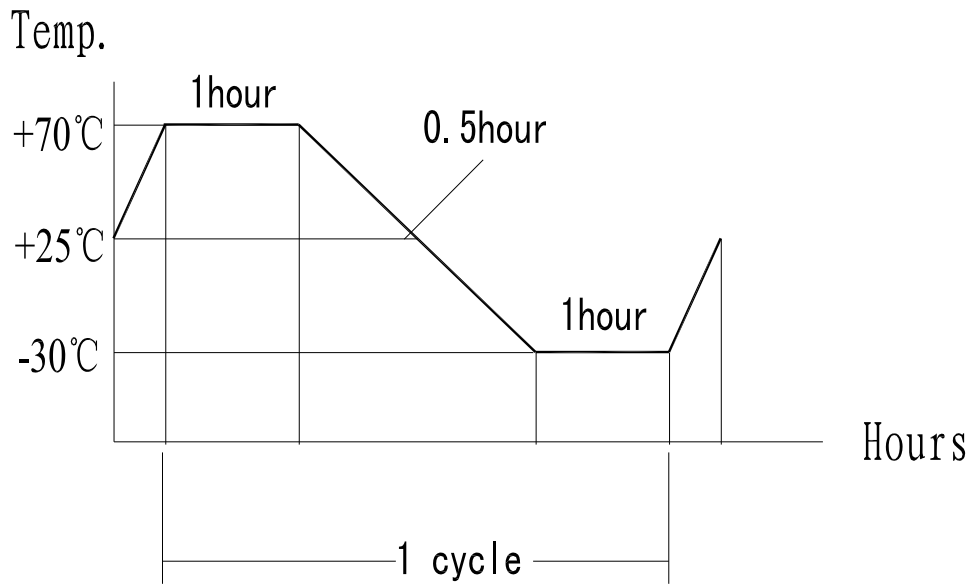


Fig.3 Illustration of temp. cycle test

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6. DIMENSIONS (Fig.4)

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

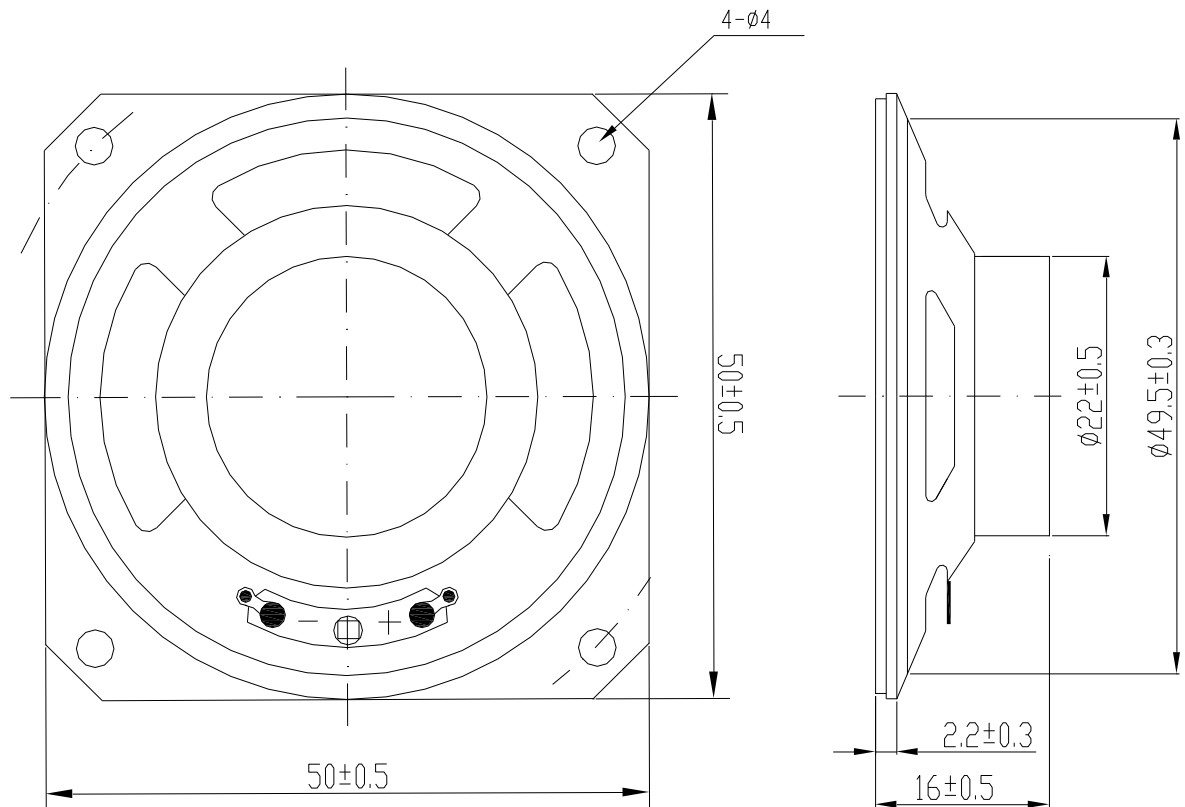


Fig.4 Outer dimension

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