SPECIFICATION

SHEET FOR APPROVAL

CUSTOMER:

PRODUCTS: DYNAMIC SPEAKER

MODEL NUMBER: DXI30N-A DX0046

CUSTOMER PART NUMBER:

CONCISE DESCRIPTION:

"DXI30N-A D30 H 4.8 8 Ω"

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1. SCOPE

This specification covers our product of dynamic speaker unit is for cordless phone use. .

2. MECHANICAL LAYOUT & DIMENSIONS

Shown in Fig.4

3. GENERAL REQUIREMENTS

3.1 OPERATING TEMPERATURE RANGE: $-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$

3.2 STANDARD TEST CONDITIONS:

Temperature: $17\sim25^{\circ}\text{C}$

Relative Humidity: 45%~80%(RH)

Air Pressure: 860∼1060 hPa

3.3 JUDGEMENT CONDITIONS:

Temperature: 20 ± 2 °C

Relative Humidity: $60\% \sim 70\%$ (RH) Air Pressure: $860 \sim 1060$ hPa

4. ELECTROACOUSTIC CHARACTERISTIC

4.1 SOUND PRESSURE LEVEL

82±3dB SPL (Average at 800Hz,1000Hz,1200Hz,1500Hz)

Measuring condition: 0.1W (Sine wave) 0.1m measured with baffler shown in Fig.1.

- **4.2 IMPEDANCE**: $8\pm20\%\Omega$ (@2KHz 1V) without baffler.
- **4.3 MEASURING DIAGRAM:** Shown in Fig.1.
- **4.4 TYPICAL FREQUENCY RESPONSE CURVE:** Shown in Fig.2.
- **4.5 RATED POWER:** 0.25W (White Noise for 48hours).

MAX POWER: 0.5W.

- **4.6 RESONANCE FREQUENCY (F₀):** 700±20% Hz @ 1V.
- **4.7 SOUND POWER:** 0.25W (F0~10KHz) must be normal with sine wave (1.4Vrms).

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■ FREQUENCY MEASURE	NG CIRCUIT	(SPEAKER MO	DDE) (Fig.1)	
Standard b In IEC 268 Fig.1 TYPICAL FREQUENCY 100 90 80 70 60 50 20 Hz 50 100	ATTEI MICROPHONE MODEL-8120H MODEL-8120H ATTEI 10 cm ATTEI 10 cm ATTEI 200 E 200 E ATTEI ATTEI	ELECTROAGE ANDAPTER 171 ST measuring diagra CURVE (SPEAK)	COUSTIC ANALYZER MODEL-160 CAMP (Speaker mode) ER MODE) (Fig.2) 2k 5k 10k	25.0/62.5% 20.0/50.0% 15.0/37.5% 10.0/25.0% 5.0/12.5% 0.0/0.0% 20k
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6. RELIABILITY TESTS The sound pressure as specified shall neither deviate more than $\pm 3 dB$ from the initial value, nor any significant damage after any of following testing.							
 6.1 HIGH TEMPERATURE TES High temperature: Duration: 6.2 LOW TEMPERATURE TES Low temperature : 	+70±3° 96 ho Γ -30±3°	urs C					
Duration: 96 hours 6.3 HUMIDITY TEST Temperature: +40±2°C Relative humidity: 90~95% Duration: 96 hours							
6.4 TEMPERATURE CYCLE TI Temperature: Duration: Temperature gradient: Cycle:	-30°C	+70 0.5hr 1hr	°C				
6.5 DROPTEST Mounted with dummy set mass: Height: Cycle:	75cm 3times	s(corner, side, he concrete bo					
6.6 LOAD TEST Speaker mode: White noise (EL	A filter) for	48 hours @0.2	25W(1.4Vrms)	input power.			
	A filter) for	48 hours @0.2	25W(1.4Vrms)	input power.			

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TEMP. CYCLE TEST (Fig.3)

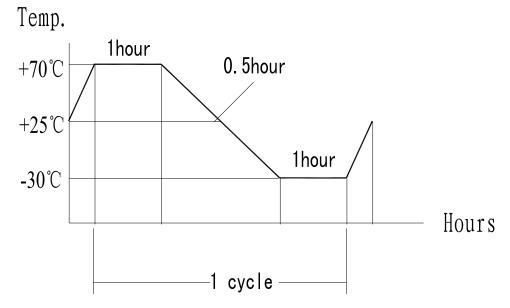
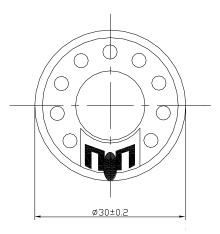


Fig.3 Illustration of temp. cycle test

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6. DIMENSIONS (Fig.4)

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



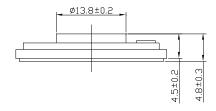


Fig.4 Outer dimension