## **SPECIFICATION**

## SHEET FOR APPROVAL

**CUSTOMER**:

**PRODUCTS**: DYNAMIC SPEAKER

MODEL NUMBER: DXI30N-A DX0050

**CUSTOMER PART NUMBER:** 

**CONCISE DESCRIPTION:** 

*"DXI30N-A D30 H 4.8 50 Ω"* 

SPECIFICATION		MODEL NO	DXI30N-A					
ISSUED DATE				P1/5				
REVERSION		UPDATE	00					
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								
<b>3.1 OPERATING TEMPERATURE RANGE:</b> -20°C ~ +65°C								
3.2 STANDARD TEST CONDITIONS:								
Temperature:	emperature: 17~25°C							
Relative Humid	Humidity: 45%~80%(RH)							
Air Pressure:	essure: 860~1060 hPa							
<b>3.3 JUDGEMENT CONDITIONS:</b>								
Temperature:	ure: 20±2°C							
Relative Humidi	ve Humidity: $60\% \sim 70\%$ (RH)							
Air Pressure:	Air Pressure: 860~1060 hPa							
4. ELECTROACOUSTIC CHARACTERISTIC								
4.1 SOUND PRESSURE LEVEL								
80±3dB SPL (Average at 800Hz,1000Hz,1200Hz,1500Hz)								
Measuring condition: 0.1W (Sine wave) 0.1m measured with baffler shown in Fig.1.								
<b>4.2 IMPEDANCE</b> : $50\pm20\%\Omega$ (@2KHz 1V) without baffler.								
4.3 MEASURING DIAGRAM: Shown in Fig.1.								
4.4 TYPICAL FREQUENCY RESPONSE CURVE: Shown in Fig.2.								
<b>4.5 RATED POWER:</b> 0.25W (White Noise for 48hours).								
MAX POWER:0.5W.								
<b>4.6 RESONANCE FREQUENCY (F<sub>0</sub>):</b> 700±20%Hz @ 1V.								
<b>4.7 SOUND POWER:</b> 0.25W (F0~6KHz) must be normal with sine wave (3.5Vrms).								



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		– MODEL NO.	DXI3	0N-A	<b>D</b> 3/5				
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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 TEST									
High temperatu	High temperature: $+70\pm3^{\circ}C$								
Duration:	9	6 hours							
6.2 LOW TEMPERATURE TEST									
Low temperatu	ire : -3	-30±3°C							
Duration:	96 hours								
6 3 HUMIDITY TEST									
Temperature:	+4	0±2°C							
Relative humidity:		90~95%							
Duration: 96 hours									
6 A TEMDED ATTIDE CVCI E TEST (See in Fig 2)									
Temperature:	-3	$0^{\circ}C \longleftrightarrow +70^{\circ}$	C						
Duration:	1	hr 0.5hr 1hr							
Temperature gradient:		3°C/min.							
Cycle: 6									
6.5 <u>DROP TEST</u> Mounted with dummy set mass: Height: Cycle:		100 g 75cm 3times(corner, side, plane) onto the concrete board							
6.6 LOAD TEST									
Speaker mode: White noise (EIA filter) for <b>48 hours</b> @0.25W(3.5Vrms) input power.									



