



请承认书

Version No.: V2.0

常州昊翔电子有限公司
Changzhou HaoXiang Electronic Co., LTD

客户名称

CUSTOMER NAMED : _____

产品名称

COMMODITY : PIEZO Tweeter

产品型号

MODEL NO : TDA-C1007-40-C2.2

客户料号

PART NO : _____

审核

秦皓

主办

潘莲 Mar.04,2023

客户承认栏

承认

拒收

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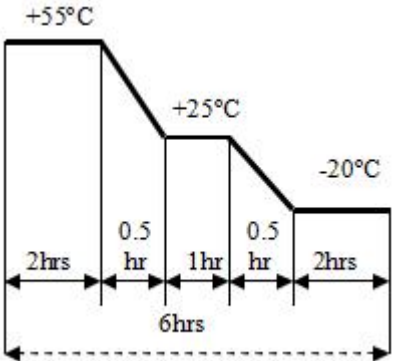
A. SCOPE

This specification applies atomization piece, **TDA-C1007-40-C2.2**

B. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Construction		Open	
2	Using method		Transmitter	
3	Operating Volt	Vrms	MAX. 15	
4	Rated Volt	Vrms	10	
5	Electrostatic capacity	pF	2200±30%	At 100Hz
6	Operating Frequency	KHz	40±2	
7	Sound pressure level	dB	MIN. 105	at 10Vrms/30cm (See Fig.1)
8	Operating temp	°C	-20 ~ +55	
9	Storage temp	°C	-30 ~ +60	
10	Dimension	mm	φ9.8 x H7.0	See appearance drawing
11	Housing Materail		ABS	
12	Environmental Protection Regulation		RoHS	

C. ENVIRONMENTAL TEST

No.	Item	Test conditions	Evaluation standard
1	High temp. Test	After being placed in a chamber at +55°C for 24 hours	Being placed for 6 hours at +25°C, speaker shall be measured. The SPL should be in ±10dB compared with initial one.
2	Low temp. Test	After being placed in a chamber at -20°C for 24 hours.	
3	Humidity test	After being placed in a chamber at +40°C and 90±5%RH relative humidity for 24 hours.	
4	Temp. cycle test	<p>The part shall be subjected to 5 cycles. One cycle shall consist of:</p> 	

D. MECHANICAL CHARACTERISTICS

No.	Item	Test condition	Evaluation standard
1	Terminal strength	Applied 1kg load to the terminal for 30 sec	No damage and cutting off.
2	Vibration Test	Speaker shall be measured after being applied vibration of amplitude of 1.52mm with 10 to 55Hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours.	Being placed for 6 hours at +25°C, speaker shall be measured. The SPL should be in ± 10 dB compared with initial one.
3	Drop Test	Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm	

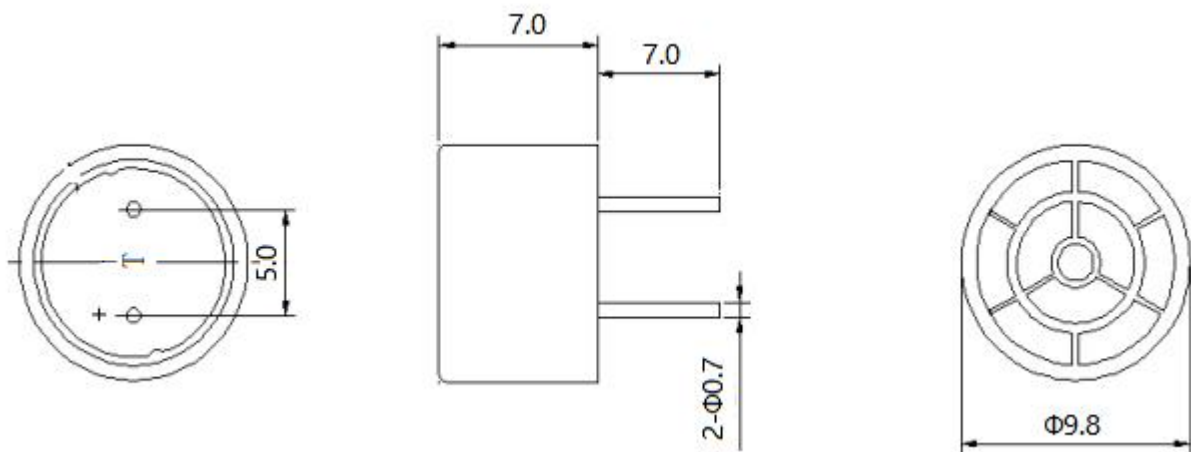
E. RELIABILITY TEST

No.	Item	Test conditions	Evaluation standard
1	Operating life test	24 hours continuous operation with rated voltage applied.	Being placed for 6 hours at +25°C, speaker shall be measured. The SPL should be in ± 10 dB compared with initial one.

TEST CONDITION.

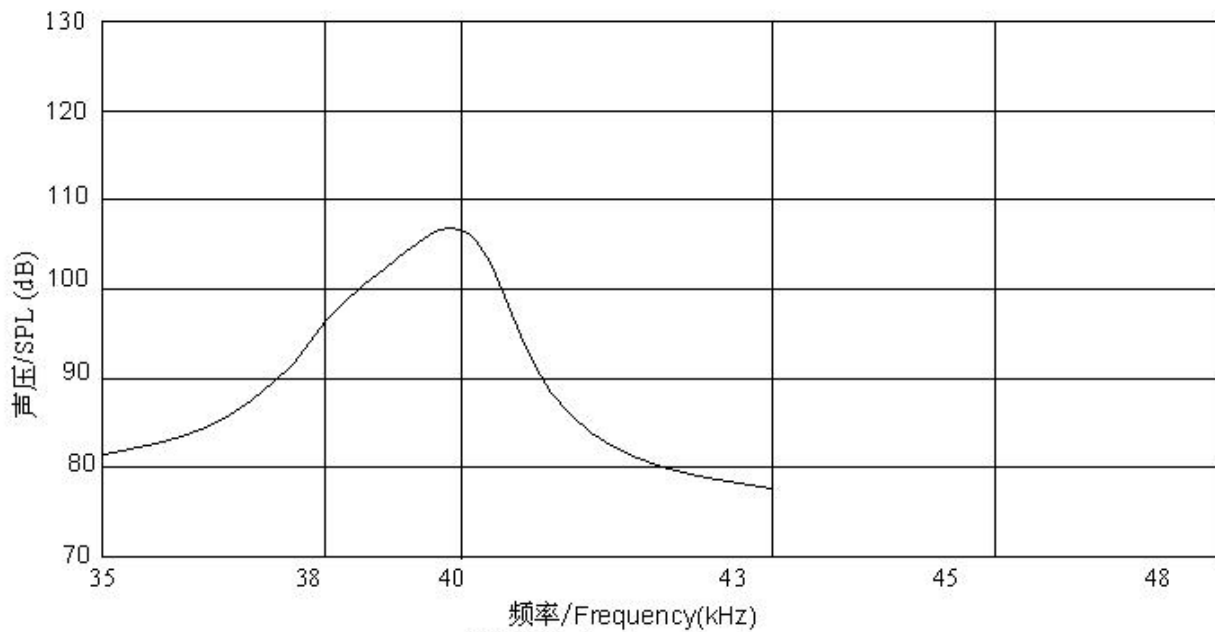
Standard Test Condition : a) Temperature : +5 ~ +35°C b) Humidity : 45-85% c) Pressure : 860-1060mbar
 Judgement Test Condition a) Temperature : +25 \pm 2°C b) Humidity : 60-70% c) Pressure : 860-1060mbar

F. APPEARANCE DRAWING



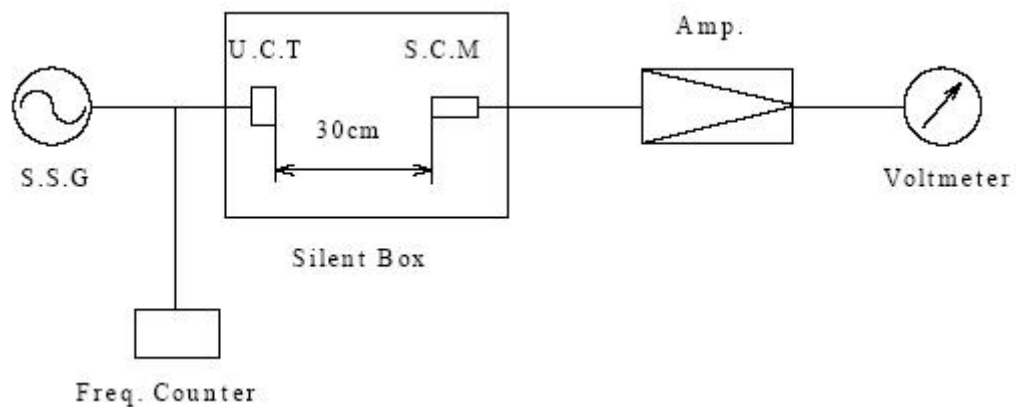
Unit:mm Tolerance : ± 0.5 mm

G. TYPICAL FREQUENCY RESPONSE CURVE



声压-频率特性图/SPL-Freq.Characteristics

H. MEASUREMENT CIRCUIT



S.S.G : Sine wave Signal Generator

U.C.T : Ultrasonic Ceramic Transducer

S.C.M : Standard Condenser Microphone (Brüel & Kjær 4135)

Amp. : Amplifier (Brüel & Kjær 2610)

Input Vol. : 10Vr.m.s.

