



深圳市兴华鑫电子科技有限公司

Shenzhen xinghuaxin Electronic Technology Co., Ltd

承認書

SPECIFICATION FOR APPROVAL

客戶 (Customer):

客戶料號 (Customer P/N):

興華鑫型號 (Supplier P/N):

XHVDZ-13MM 骨传导喇叭

產品名稱 (Description):

喇叭 (Speaker)

產品規格 (Specification):

客戶承認欄 (Customer Authorization Signature)	深圳市興華鑫電子科技有限公司 承認欄 (Supplier Audit)		
	審核	檢查	制作
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产品规格内容

1.Scope

The applications of this Speaker are subjected to the following items;

2.General specifications.

NO.	ANALYSIS ITEMS	SPECIFICATIONS	
2.1	APPLICATION		
2.2	TRANSDUCING FUNCTION	Speaker	
2.3	OUT SIDE SIZE	13mm	
2.4	UNIT WEIGHT	2.3g	
2.5	NOMINAL IMPEDANCE	$8.0\ \Omega \pm 15\% \Omega$	At 1.0 KHZ 1.0Vms(sine wave)

3.Micro-speaker mode characteristics(Application for near sound field)

NO.	ANALYSIS ITEMS	SPICIFICATIONS	CONDITIONS
3.1	RESONANCE FREQUENCY		At fo HZ 1.0vrms (sine wave)
3.2	FREQUENCY RANGE	F0 HZ-----20HKHZ	Application: full audible signals
3.3	SOUND PRESSURE LEVEL	88dB±3dB	At 0.1m 0.89V sine wave
		At 0.1m/0.1W8,10,12,15 ×100 HZ Average(0dB SPL) =20μbar	
3.4	RATED POWER	0.5w	At 2.0V (sine wave)
3.5	MAXIMUM POWER	1.0w	At 2.65V (sine wave)/1minute
3.6	NON-LINEAL DISTORTION FACTOR	Less than max 10%	1KHZ1.0V (Sine Wave)
3.7	OPERATION TEST	No one should perceive noise of sine wave 2.00V of 300~3.4khz audio frequency put into operation.	
3.8	VIBRATION MODE	Rated input:1.0V. Max input:1.2V Resonance frequency (F0): 175 Hz@ 1.0V. (Mounted with dummy set mass 100g)	

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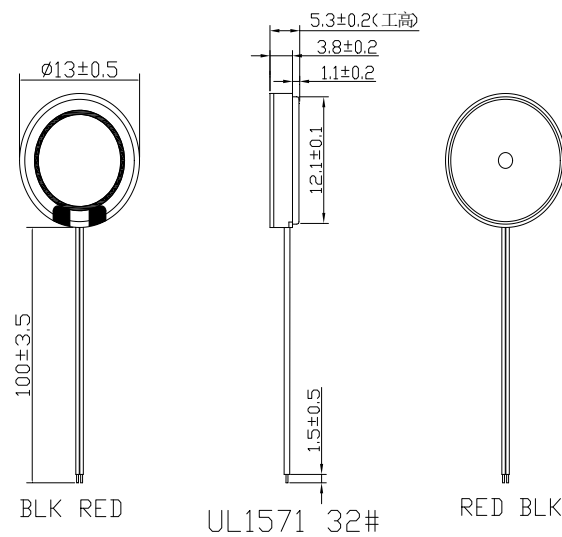
4.Environmental characteristics.

NO.	ANALYSIS ITEMS	CONDITIONS	
4.1	OPERATING TEMPERATURE RANGE	-20℃--60℃	
4.2	STORAGE TEMPERATURE RANGE	-30℃--70℃	
4.3	APPEARANCE	Should not exist any obstacle to be harmful to normal operation: damages, cracks, rusts, and distortions, etc.	
4.4	RESULTS OF AFTER TEST	Sensitivity difference shall be within (3db) and should satisfy the listed on item 3.2,3.6,3.7 .after each following test.	
4.5	TERMINAL STRENGTH	Capable of withstanding (0.5kg) load for (30 sec) without resulting in any damage or rejection.	
4.6	LOAD TEST	Shall be normal after tested, input 2.0V 0.5W White noise (EIA filter)96 Hrs.	
4.7	HIGH TEMPERATURE DURABILITY	60℃±3℃ (96Hrs) and keep (6 Hrs) in a room	
4.8	COLD TEMPERATURE DURABILITY	-20℃±3℃ (96 Hrs) and keep (6 Hrs) in a room	
4.9	HUMIDITY DURABILITY	Temperature: +40 ±2℃ relative humidity: 92.5-95% RH (96 Hrs) and keep (6 Hrs) in a room.	
4.10	TEMPERATURE CYCLE DURABILITY	Low temperature -30±2℃ (2Hr). High temperature +70 ±2℃ (1Hr): 1 cycle: total 24 cycles and then keep(6Hr) in a room.	
4.11	VIBRATION DURABILITY	Vibration duration: X Y Z axis, frequency range :10—55Hz, Sweep ratio:10-55-10HZ/one Minute, Vibrationamplitude:1.5mm, Endurance:2 Hr each plan.	
4.12	DROP TEST	Time :3 times (corner, side, plain) Height: from 75cm on the concrete floor	

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5.Product Outside View



6.PACKING DETAILED DATA

