## SPECIFICATIONS

Model No.

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### 1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

	Item	Unit	Specifications
1-1	Rated Voltage (Square Wave)	V	3.0
1-2	Operating Voltage	V	2-4
1-3	*Rated Current (Max)	mA	60
1-4	* Min Sound Output at 10cm	dB	85
1-5	* Resonant Frequency	Hz	2731
1-6	Coil Resistance	Ω	25±3
1-7	Operating Temperature	°C	-30~+70
1-8	Storage Temperature	°C	-40~+85
1-9	Weight	g	1.0
1-10	Housing Material		PBT
1-11	Lead Pin Material		Red Copper (DSn)

4		at Pated Valtage	(resonant frequency,	1/2 duty	callaro wava	
~	value Applying	al Maleu Vollaye	(Tesonant nequency)	, 1/2 uuty,	Square wave	

		15.11.23	ZhuYu	Shi Cong	Wang Xue		
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Issue No	Description	Date	Issue	Check	Approval		
Universal (Changzhou) Electronics Co., Ltd.							

# SPECIFICATIONS

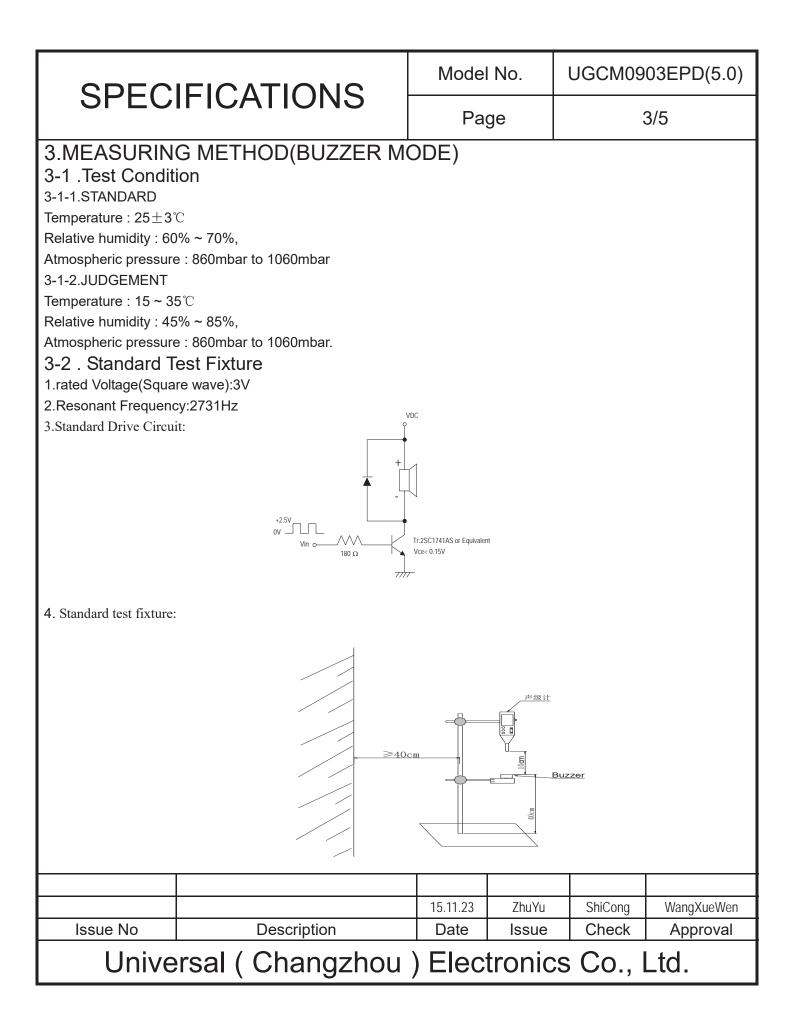
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### 2.ENVIRONMENTAL TEST

	Item Specifications							
2-1	Storage in High temp.	Storage in +85°C $\pm$ 2°C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.						
2-2	Storage in Low temp.	Storage in -40 $^{\circ}C \pm 2^{\circ}C$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.						
2-3	Storage in Humidity	Storage in +40 $^{\circ}C \pm 2^{\circ}C$ 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.						
2-4	Thermal cycle test.	+80 °C +20 °C -30 °C 30 min 15 min 30 min 15 min 30 min 15 min 30 min 15 min						
2-5	Vibration test	9.3g 0.3g 10 Amplitude:1.5mm Time :1min/axis						
2-6	Drop test	Make this test for the directions of X,Y, Z for 2 hours each (total 6 hours). Free drop a unit from the height 100cm to the surface of 10mm thick board ,three directions(X,Y,Z).						
2-7	2-7 Solderability test Soldering temp.:260±5°C   Heat applying time: 3±0.5sec.							
PAS	SS CRITERION :							
Afte	er these tests , the change	of S.P.L shall be within $\pm 5 \text{ dB}$ .						
L								
		15.11.23 ZhuYu ShiCong WangXueWe						
lssu	le No Des	cription Date Issue Check Approval						
	Universal (Ch	nangzhou) Electronics Co., Ltd.						

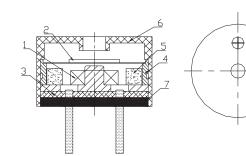


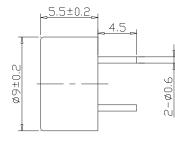
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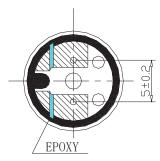
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### **5.DIMENSIONS**

Unless otherwise specified, tolerance:  $\pm$  0.5(unit:mm)







Cadmium(Cd)/Cndmium Compounds	≤100ppm
Lead (Pb) / Lead Compounds	≪800ppm
Mercury (Hg) Merrcury Compounds	≪800ppm
Hexavalent-Chromium (Cr6+) Compounds	≪800ppm
PBB	≪800ppm
PBDE	≪800ppm

1) All parts must be meet to ROHS

2) Wave solder allowed and wash not allowed.

7		Potting					Expoy		
6		Housing			1	PBT			
5		Magent		1	1	Ferrite			
4		Brass ring		-	1	Copper			
3		PCB		1	1				
2		Diaphragm		1	1	Iron			
1		Coil Part	1		1	Copper And Iron		Iron	
Part	No.	Part Name		Q'	YTY Material			Remark	
			15.11	.23	Zh	uYu	ShiCong	\ \	WangXueWen
Issue No Desc		ription	Da		lss	sue	Check		Approval
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