

SPECIFICATION

FOR

APPROVAL

Customer : _____

Description : _____ Magnetic Transducer

Universal Model No. : _____ UGCM1612XP-90

Universal ERP No. : _____

Customer's Model No. : _____ UGCM1612X

ISSUE	CHECK	APPROVAL	CUSTOMER
ZhuYu 20.12.28	ShiCong 20.12.28	WangXueWen 20.12.28	



Universal (Changzhou) Electronics Co., Ltd.

Add: No. 16 Longhui Road, Wujin Hitech Development Zone,
Changzhou, Jiangsu, China

Tel: 86-519-88864155 88860185

Fax: 86-519-88818807

E-mail: jim@China-buzzer.com

<http://www.china-buzzer.com/>

REVISION HISTORY

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1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

	Item	Unit	Specifications
1-1	Rated Voltage	VDC	12
1-2	Operating Voltage	VDC	8-15
1-3	* Rated Current (Max)	mA	30
1-4	* Min Sound Output at 10cm	dB	90
1-5	* Resonant Frequency	Hz	2300±300
1-6	Operating Temperature	°C	-30~+70
1-7	Storage Temperature	°C	-40~+85
1-8	Weight	g	7
1-9	Housing Material	NORYL	
1-10	Lead Pin Material	Red Copper (DSn)	

* Value Applying at Rated Voltage (DC)

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2.ENVIRONMENTAL TEST

	Item	Specifications
2-1	Storage in High temp.	Storage in $+85^{\circ}\text{C}\pm 2^{\circ}\text{C}$ 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 $-40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-3	Storage in Humidity	Storage in $+40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ 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.	Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.
2-5	Vibration test	Amplitude: 1.5mm Time : 1min/axis Make this test for the directions of X,Y, Z for 2 hours each (total 6 hours).
2-6	Drop test	Free drop a unit from the height 100cm to the surface of 10mm thick board ,three directions(X,Y,Z).
2-7	Solderability test	Soldering temp.: $260\pm 5^{\circ}\text{C}$ Heat applying time: $3\pm 0.5\text{sec}$.

PASS CRITERION :

After these tests , the change of S.P.L shall be within $\pm 5\text{ dB}$.

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3.MEASURING METHOD(BUZZER MODE)

3-1 .Test Condition

3-1-1.STANDARD

Temperature : 25±3℃

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

3-1-2.JUDGEMENT

Temperature : 15 ~ 35℃

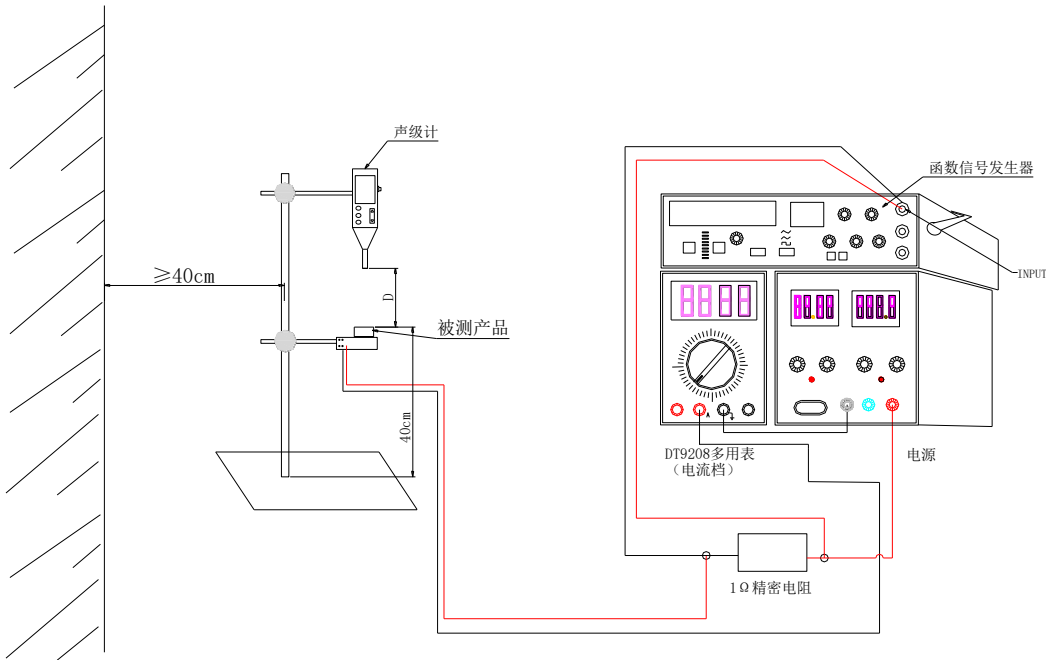
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

3-2-1.rated Voltage:12VDC

3-2-2.Resonant Frequency:2300Hz±300



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5.PACKING					
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