



HITPOINT

TEL:8862-26013311

FAX:8862-26013898

NO.4, Lane 505, Zhongzheng Rd.,Linkou shiang Taipei, Taiwan 24445

Piezo Electric Sounder PT-0940MCQ

(RoHS)

DATE:2021.11.25

1.Electrical Characteristics

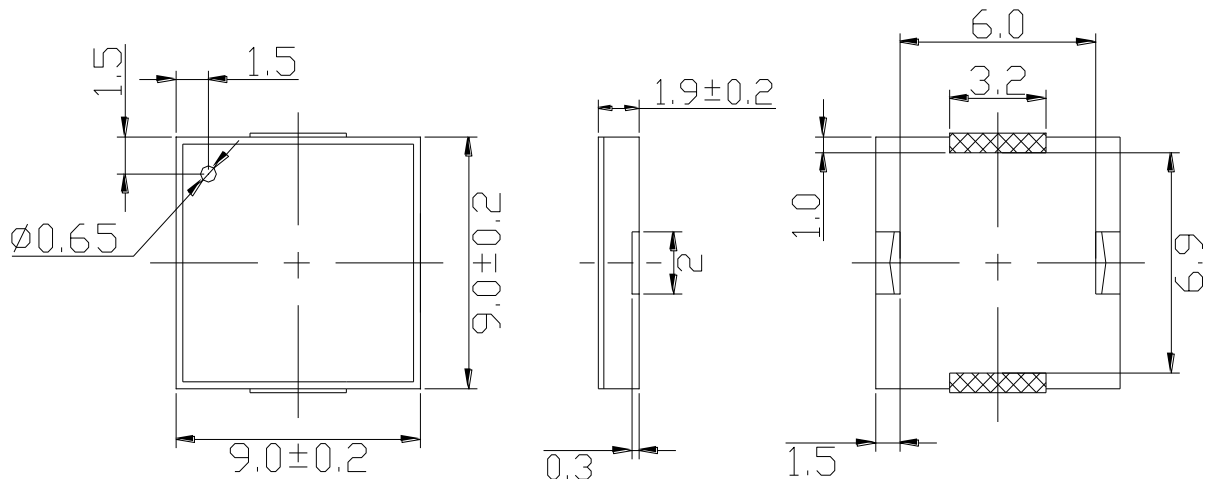
VER: 2

Resonant Frequency (KHz)	4.0
Operating Voltage (Vp-p/max)	1-25
Rated Voltage (Vp-p)	3.0
Current Consumption (mA/max)	1 at Rated Voltage
Current Consumption (mA/max)	5 at 12Vp-p
Sound Pressure Level (dB/min)	70 at 10cm at Rated Voltage
Sound Pressure Level (dB/min)	78 at 10cm at 12Vp-p
Capacitance (pF)	12,000 ± 30 %
Operating Temperature (°C)	-40 ~ +85
Storage Temperature (°C)	-40 ~ +85
Condition by reflow soldering (°C)	260±5°C/ within5sec
Condition by hand (°C)	350±20°C / within 5sec

PS : Vp-p = 1/2duty , square wave

2.Dimensions and Material

2-1 Shape Unless otherwise specified,tolerance:±0.5(unit:mm)





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2-2 Material

Housing	LCP plastic resin (Color : Black)
Pin	Brass (DSn)
Weight (Gram)	0.2

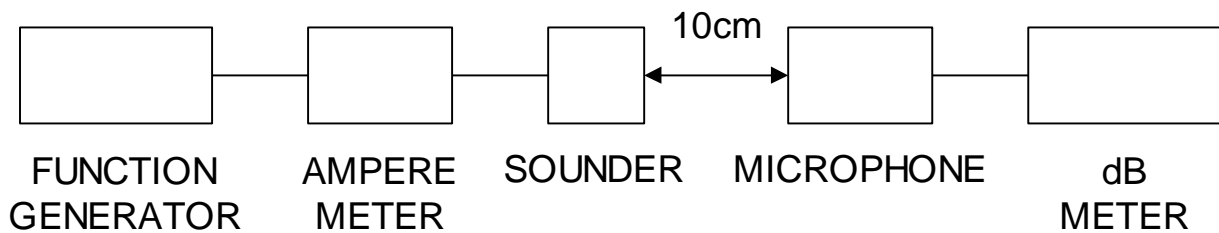
3. TESTING METHOD

. *Standard Measurement conditions*

Temperature: 25±2°C Humidity: 45-60%

. *Acoustic Characteristics*

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below.





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4. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
<i>Coldness withstanding</i>	<i>After 98 hours of being exposed to -40°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Hotness withstanding</i>	<i>After 98 hours of being exposed to +85°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Humidity withstanding</i>	<i>After 98 hours of being exposed to 40°C 95%RH environment in actual operation, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Durability</i>	<i>Testing after 98hours actual continuous operation. (at standard measurement conditions)</i>	<i>No abnormality shall exist</i>
<i>Drop withstanding</i>	<i>A natural drop from 75cm high down to the ground.</i>	<i>No abnormality shall exist</i>
<i>Vibration withstanding</i>	<i>Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.</i>	<i>No abnormality shall exist</i>



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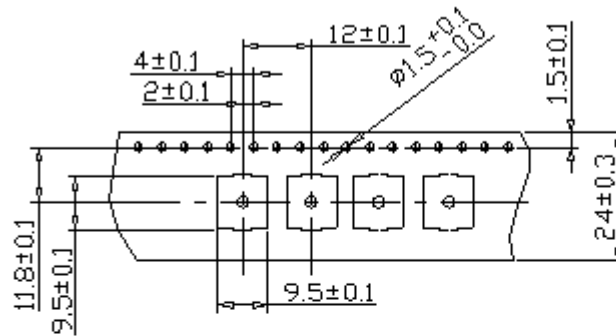
5. PACKAGE METHOD

< 1 > 1000pcs per tape reel; 8 tape reel per carton, total 8000pcs carton;

Volume: L*W*H=360*360*360mm

< 2 > N.W. ; 1.6KGS ; G.W. : 3.6KGS ;

< 3 > RoHS Mark



1000PCS/SPPOOL 每卷放1000只

