date/contact: 280416/CMA finishing: TKI last update: drawing:

94021 - / mm tolerance: 1/4

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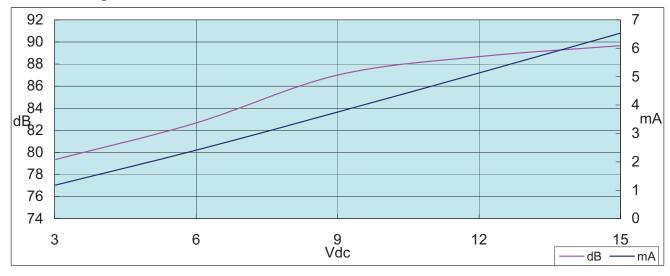
1. Electrical Characteristics

unit:

page:

Oscillation Frequency (KHz)	4.1 ± 0.5	
Operating Voltage (Vdc)	3 ~ 15	
Rated Voltage (Vdc)	12	
Current Consumption (mA/max.)	10 at Rated Voltage	
Sound Pressure Level (dB/min.)	83 at 10cm at Rated Voltage	
Tone/Pulse Rate	Constant	
Operating Temperature (°C)	-20 ~ +90	
Storage Temperature (°C)	-30 ~ +100	
Wave soldering conditions(℃)	245±5°C for 3±0.5 seconds.	
Manual soldering conditions(℃)	350±20°C / within 5sec	

2 . Voltage/ Current / Sound Pressure



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drawing: 94021
unit: -/mm
tolerance: page: 2/4

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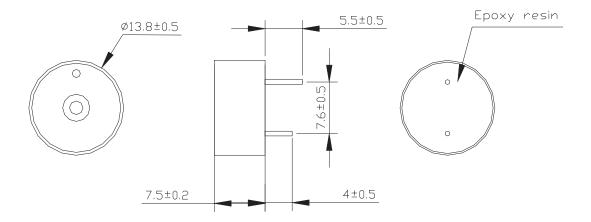
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3. Dimensions and Material

3-1 Shape



Unit: mm

3-2 Material

Housing	PBT (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	0.8

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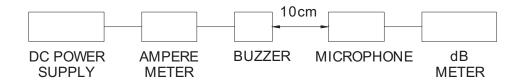
4. TESTING METHOD

· Standard Measurement conditions

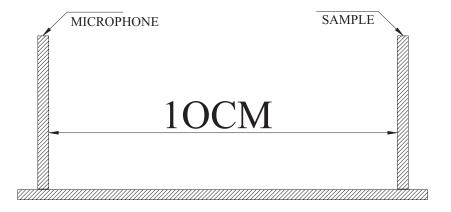
Temperature:25±2 ℃ Humidity:45-60%

· Acoustic Characteristics

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



In the measuring test, buzzer is placed as follows:



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last update: 94021 drawing: unit: - / mm tolerance: 4/4

page:

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5. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
Coldness	After 98 hours of being exposed to -30 ${\mathcal C}$	No abnormality
withstanding	environment, should be returned to normal	shall exist
	environment for 2 hours, then re-proceed to test.	
Hotness	After 98 hours of being exposed to +100 ${\mathcal C}$	No abnormality
withstanding	environment, should be returned to normal	shall exist
	environment for 2 hours, then re-proceed to test.	
Humidity	After 98 hours of being exposed to 40 $^\circ\!$	No abnormality
withstanding	environment in actual operation, should be	shall exist
	returned to normal environment for 2 hours, then	
	re-proceed to test.	
Durability	Testing after 1,000 hours actual continuous	No abnormality
	operation.(at standard measurement conditions)	shall exist
Drop	A natural drop from 75cm high down to the	No abnormality
withstanding	ground.	shall exist
Vibration	Vibration of 2,000 cycles per minute, 2mm	No abnormality
withstanding	amplitude, applied in X, Y and Z directions for 30	shall exist
	minutes each.	

6. PACKAGE METHOD

<1> 1600pcs per box, Total 4 boxes per carton, total 6400pcs carton; Volume: L*W*H=510*330*300mm

<2> 1100pcs per box, Total 10 boxes per carton, total 11000pcs carton; Volume: L*W*H=510*330*300mm

<3> 400pcs per box, Total 10 boxes per carton, total 4000pcs carton; Volume: L*W*H=510*330*300mm

<4> RoHS Mark

