date/contact: 280416/CMA finishing: TKI last update: drawing: 94021

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1. Electrical Characteristics

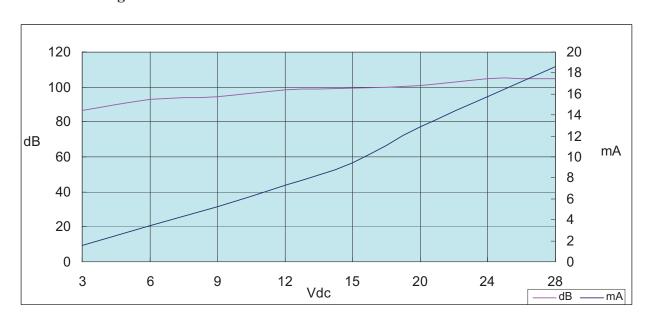
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Oscillation Frequency (KHz)	2.9 ± 0.5	
Operating Voltage (Vdc)	3 ~ 28	
Rated Voltage (Vdc)	12	
Current Consumption (mA/max.)	10 at Rated Voltage	
Sound Pressure Level (dB/min.)	90 at 30cm at Rated Voltage	
Tone/Pulse Rate	Constant	
Operating Temperature (°C)	-20 ~ +70	
Storage Temperature (°C)	-30 ~ +80	
Manual soldering conditions	350±20°C / within 5sec	

2. Voltage/ Current / Sound Pressure



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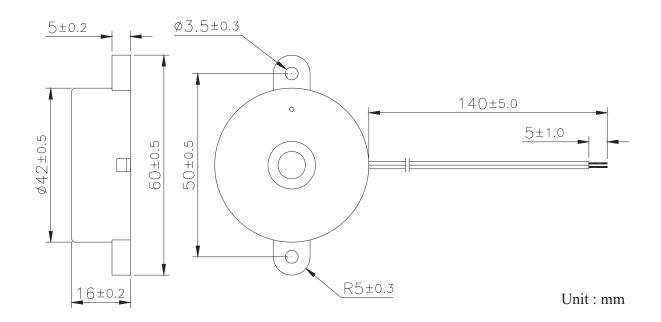
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3. Dimensions and Material

3-1 Shape



3-2 Material

Housing	ABS 777D UL94HB plastic resin (Color : Black)
Leading Wire	28 AWG
Weight (Gram)	12.8

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4. TESTING METHOD

· Standard Measurement conditions

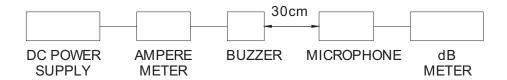
Temperature:25±2 ℃ Humidity:45-60%

· Acoustic Characteristics

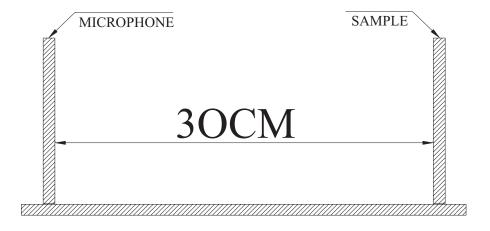
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The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below.



In the measuring test, buzzer is placed as follows:



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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 +80 $^\circ\!\! C$	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 > 100pcs $\ per \ box$, Total 10 boxes $\ per \ carton$, total 1000pcs carton; Volume: L*W*H=510*330*300mm

< 2 > RoHS Mark

