

HITPOINT

NO.4 Lane 505, Zhongzheng Rd., Linkou Shiang, Taipei, Taiwan 24445 . R.O.C

Piezo Electric Sounder

PT-1440MLQ

(RoHS)

DATE:2017.07.03

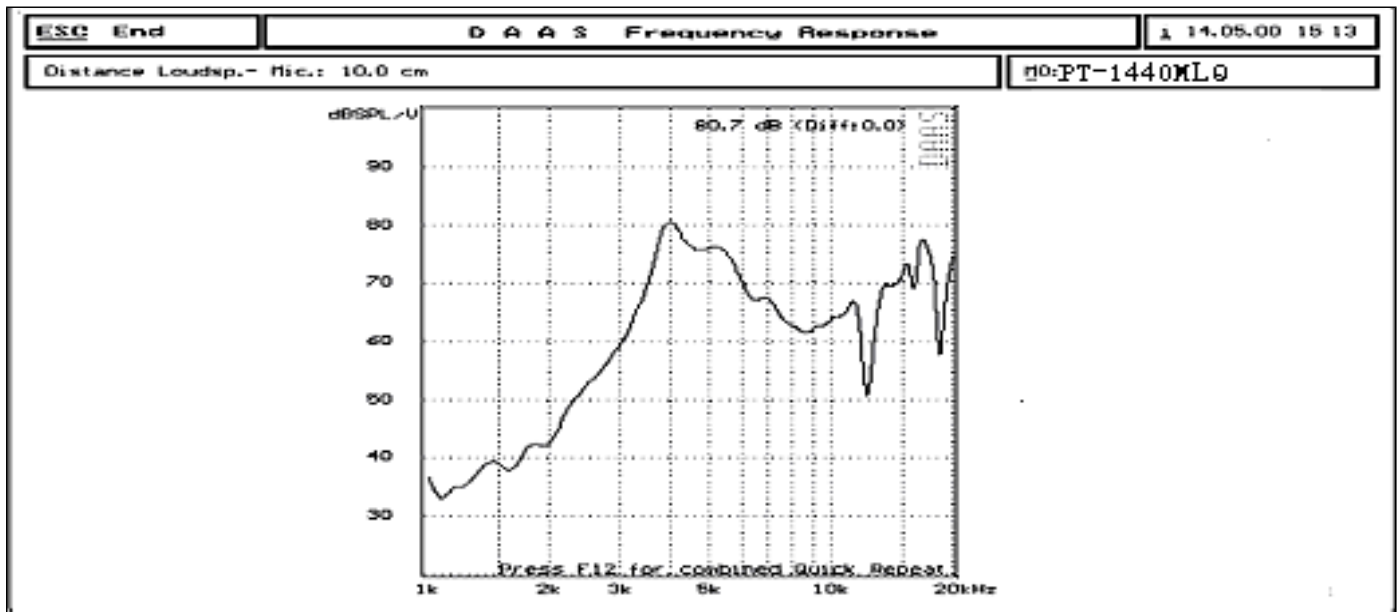
1 · Electrical Characteristics

VER .:4

Resonant Frequency (KHz)	4.0 ± 0.5
Operating Voltage (Vp-p/max)	25
Rated Voltage (Vp-p)	5.0
Current Consumption (mA/max)	5 at Rated Voltage
Sound Pressure Level (dB/min)	75 at 10cm at Rated Voltage
Capacitance (pF)	12000 ± 30 % at 120 HZ
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80
Condition by reflow soldering (°C)	250±5°C / within 5sec
Condition by hand (°C)	350±20°C / within 5sec

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

2 . Typical Frequency Response Curve

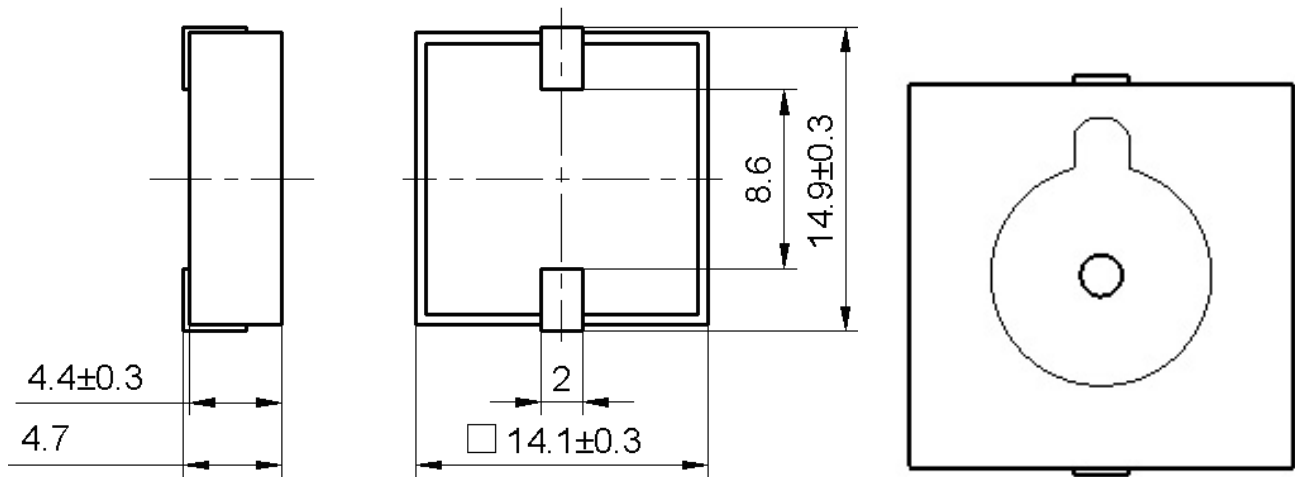


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3 . Dimensions and Material

3-1 Shape



Unit : mm

3-2 Material

Housing	PPS plastic resin (Color : Black)
Weight (Gram)	1.2



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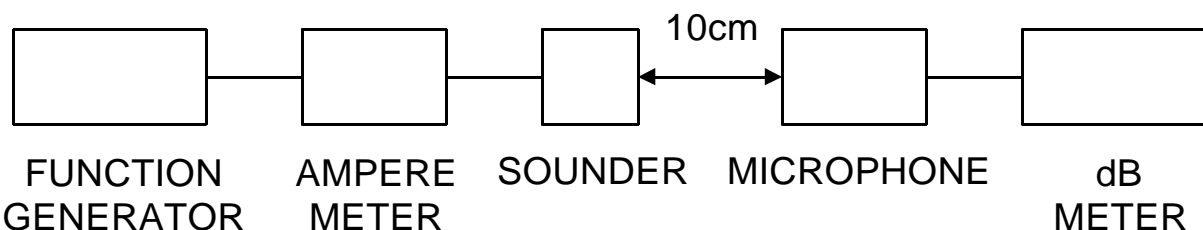
4. TESTING METHOD

• Standard Measurement conditions

Temperature: $25 \pm 2^{\circ}\text{C}$ Humidity: 45-60%

• Acoustic Characteristics

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



5. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
Coldness withstanding	After 98 hours of being exposed to -30°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Hotness withstanding	After 98 hours of being exposed to $+80^{\circ}\text{C}$ environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Humidity withstanding	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.	No abnormality shall exist
Durability	Testing after 98 hours actual continuous operation. (at standard measurement conditions)	No abnormality shall exist
Drop withstanding	A natural drop from 75cm high down to the ground.	No abnormality shall exist
Vibration withstanding	Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.	No abnormality shall exist



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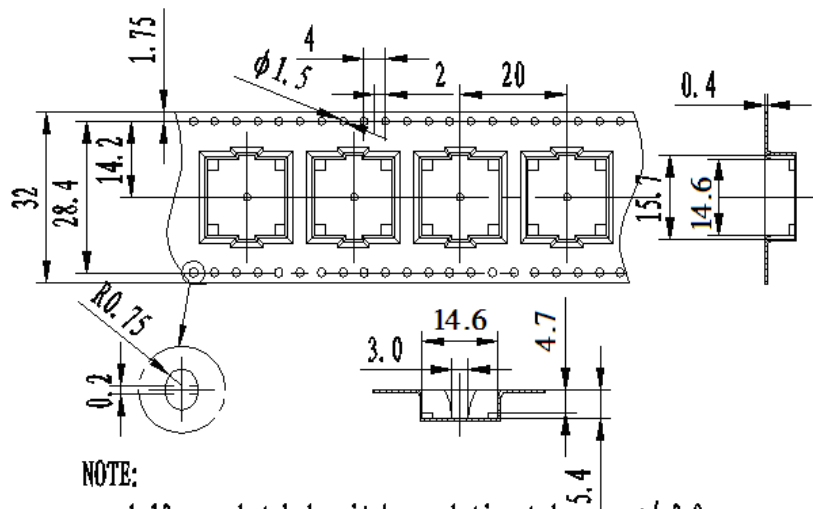
6. PACKAGE METHOD

< 1 > 600pcs per tape reel; 10ape reel per carton , total 6000pcs carton;

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

< 2 > N . W . ; 7.2KGS ; G . W . : 9.2KGS ;

< 3 > RoHS Mark



NOTE:

1. 10 sprocket hole pitch cumulative tolerance ± 0.2 mm.
2. All dimensions meet EIA-481-D requirements.
3. Thickness: 0.4 ± 0.05 mm.
4. Component loaded per 13rd reel: 600pcs.

