



HITPOINT

TEL: 8862-26013311

FAX: 8862-26013898

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

Piezo Electric Buzzer PK-12N35MQ

(RoHS)

DATE:2014.04.29

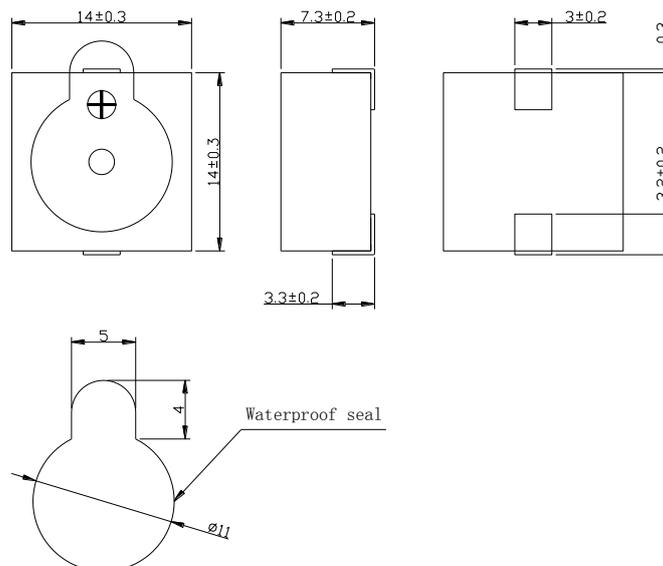
1 . Electrical Characteristics

VER.:3

Oscillation Frequency (KHz)	3.5 ±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 ~ +100
Storage Temperature (°C)	-30 ~ +110
Condition by reflow soldering (°C)	250±5°C / within 5sec
Condition by hand (°C)	350±20°C / within 5sec

2 . Dimensions and Material

2-1 Shape



Unit : mm



2-2 Material

Housing	PPS (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	1.4

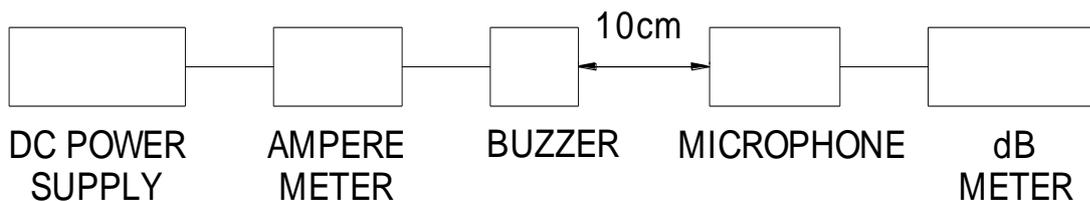
3. TESTING METHOD

· *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 -30°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 +110°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 98 hours 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>

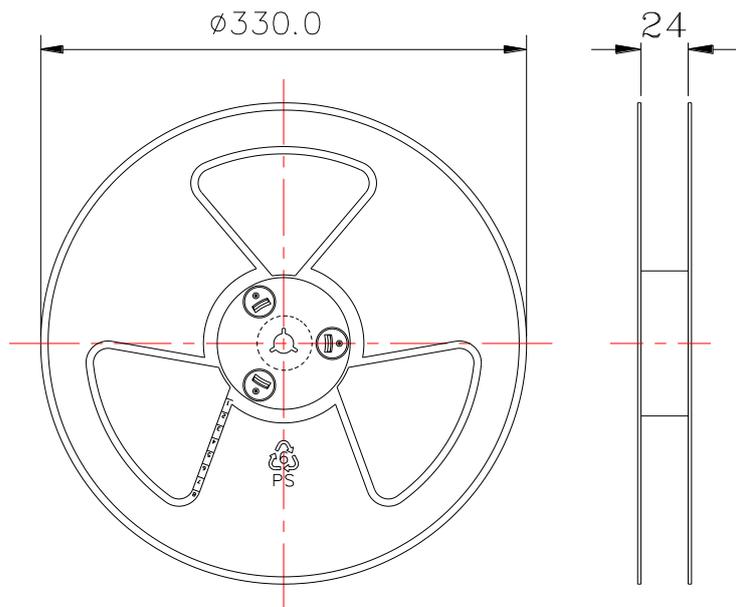
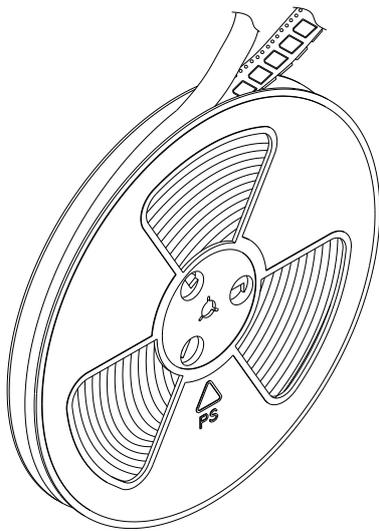
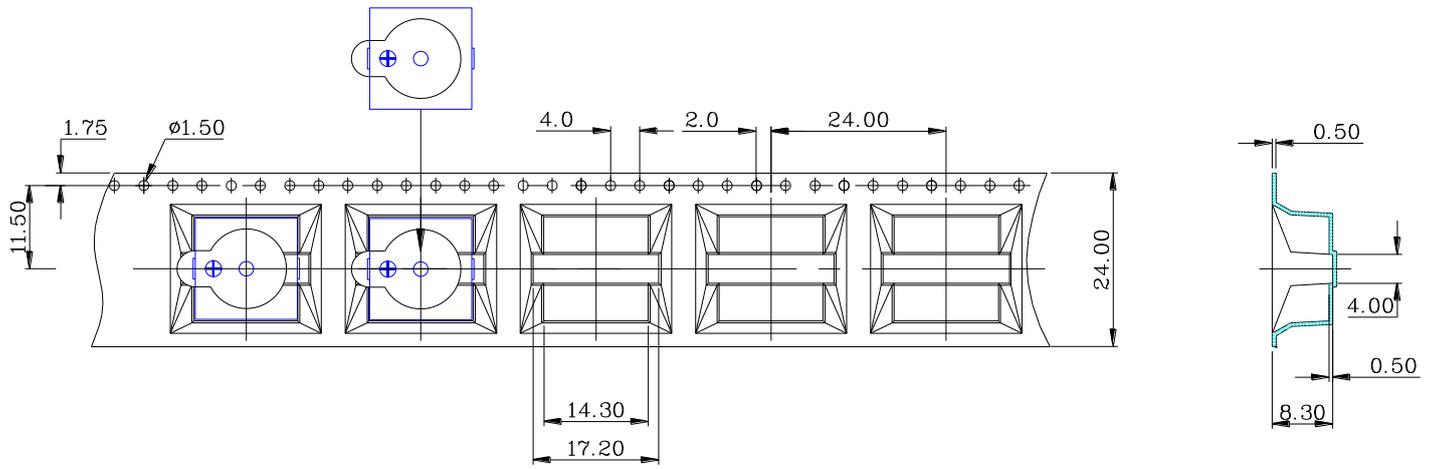
5. PACKAGE METHOD

< 1 >300pcs per tape reel; 8ape reel per carton , total 2400pcs carton;

Volume: L*W*H=520*335*290mm ;

<2> N . W . : 3.4KGS; G . W . : 5.4KGS

< 3 > RoHS Mark



1 Reel : 300PCS