

Piezo Electric Buzzer

SV18/C

(RoHS)

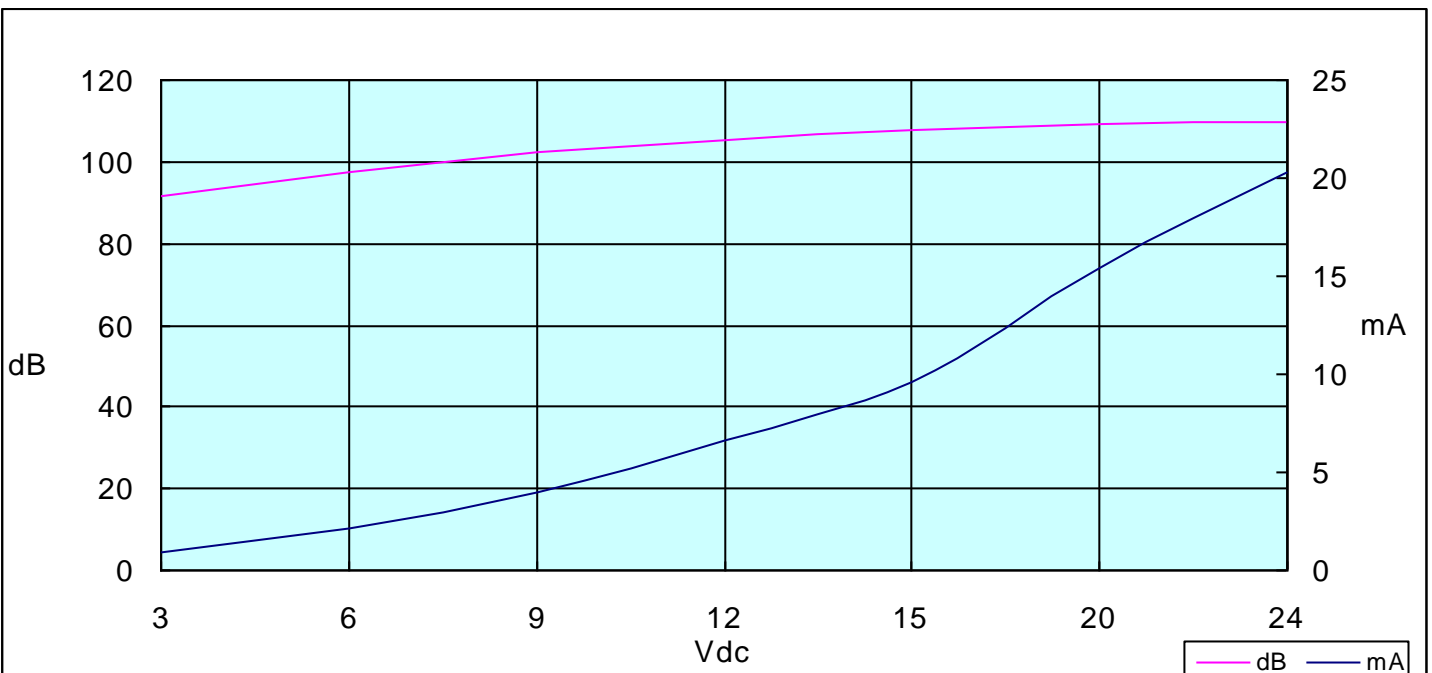
DATE:2015. 01. 08

1 . Electrical Characteristics

VER .:4

Oscillation Frequency (KHz)	2.9 ±0.5
Operating Voltage (Vdc)	3 ~ 24
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	10 at Rated Voltage
Sound Pressure Level (dB/min.)	95 at 30cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80

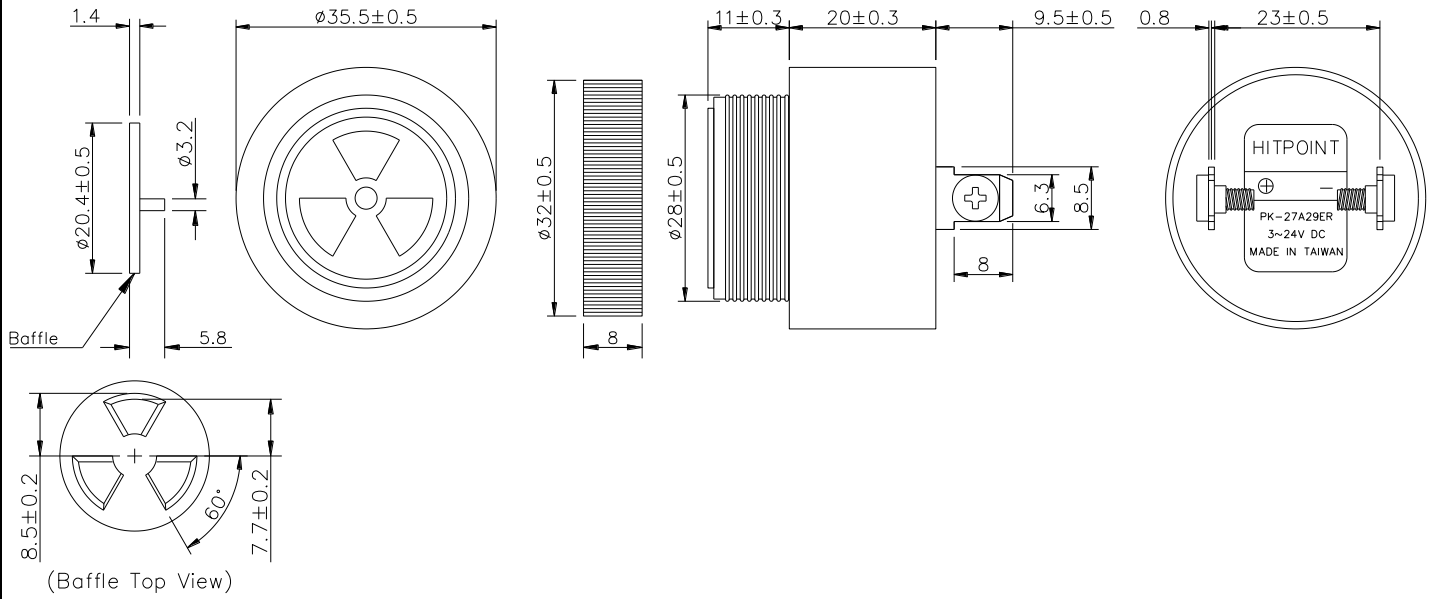
2 . Voltage/ Current / Sound Pressure



3 .

Dimensions and Material

3-1 Shape



Unit : mm

3-2 Material

Housing	ABS 757 UL94HB plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	29.6

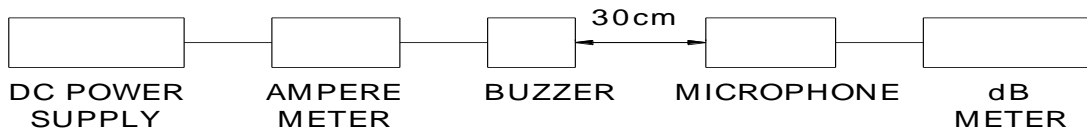
4. TESTING METHOD

· **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 1,000 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

6. PACKAGE METHOD

<1> 60pcs per box, Total 10 boxes per carton, total 600pcs per carton;
Volume: $L*W*H=520*335*290\text{mm}$

<2> N.W. : ; 17.76KGS ; G.W. : 19.76KGS ;

<3> RoHS Mark