Piezo Electric Buzzer PF-27A35EPDBQ

(RoHS)

DATE:2012-3-8

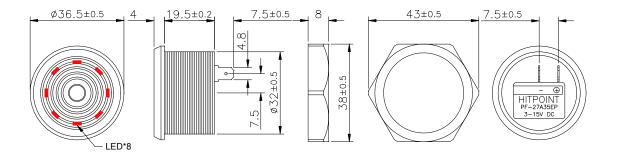
1. Electrical Characteristics

VER .:0

Oscillation Frequency (KHz)	3.5 ±0.5	
Operating Voltage (Vdc)	3 ~ 15	
Rated Voltage (Vdc)	12	
Current Consumption (mA/max.)	18 at Rated Voltage	
Sound Pressure Level (dB/min.)	95 at 30cm at Rated Voltage	
Tone/Pulse Rate (Hz)	Fast Pulse 3.0 ±20% at Rated Voltage	
LED Colour	BLUE	
Operating Temperature (°C)	- 20 ∼ +70	
Storage Temperature (°C)	- 30 ∼ +80	

2. Dimensions and Material

2-1 Shape



Unit:mm

2-2 Material

Housing	ABS 757 UL94HB plastic resin (Color : Hyaline)
Leading Pin	Tin Plated Brass
Weight (Gram)	21

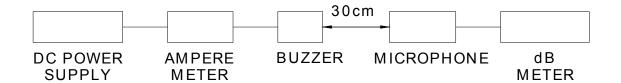
3. TESTING METHOD

· Standard Measurement conditions

Temperature:25 \pm 2 C Humidity:45-60%

Acoustic Characteristics

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



4. 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 ${\mathcal C}$	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.	

5. PACKAGE METHOD

< 2>N.W.: 11KGS; G.W.: 13KGS;

<3 > RoHS Mark