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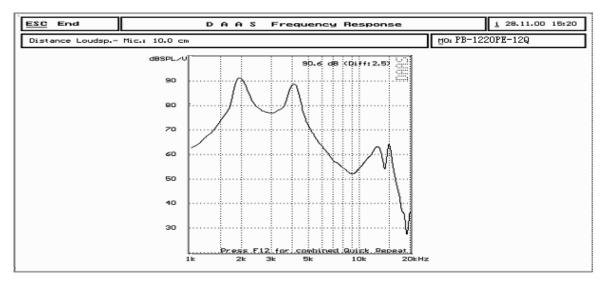


## 1 . Electrical Characteristics

Oscillation Frequency (Hz)	2048	
Operating Voltage (Vp-p)	9.0 ~ 15	
Rated Voltage (Vp-p)	12	
Current Consumption (mA/max.)	65 at Rated Voltage	
Sound Pressure Level (dB/min.)	90 at 10cm at Rated Voltage	
Coil Resistance (Ω)	$115 \pm 10$	
Operating Temperature (°C)	$-20 \sim +70$	
Storage Temperature (°C)	$-30 \sim +80$	
Wave soldering conditions	$245\pm5^{\circ}$ C for $3\pm0.5$ seconds.	
Manual soldering conditions	350±20°C / within 5sec	

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

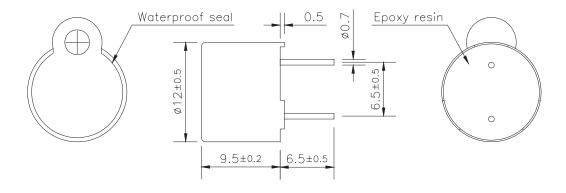
### 2. Typical Frequency Response Curve





**3** . Dimensions and Material

3-1 Shape

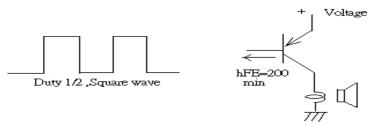


Unit : mm

#### **3-2 Material**

Housing	PPO plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	1.6

4. Recommend Driving Circuit



The base current Ib should high enough so that it saturates the collector current of the transistor with the CB load.



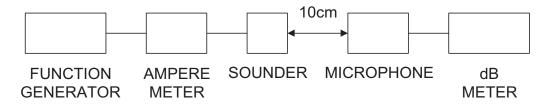
# **5. TESTING METHOD**

Standard Measurement conditions

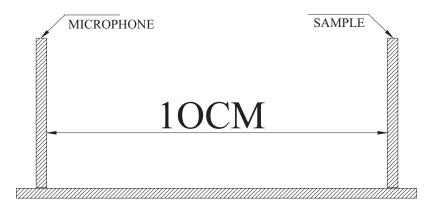
*Temperature:25±2* °C *Humidity:45-60*%

#### · Acoustic Characteristics

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



In the measuring test, buzzers is placed as follows:



ACS121290

date/contact: 280416/CMA finishing: TKI last update: drawing: 94021 unit: - / mm tolerance: page: 4/4 EVE GmbH Hollefeldstr. 16 48282 Emsdetten Tel.: +49 (0) 2572 / 9351 - 0 Fax: +49 (0) 2572 / 9351 - 24 www.eve.de • info@eve.de



# 6. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
Coldness	After 98 hours of being exposed to -30 $^{\circ}\!\!\mathcal{C}$	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 $^\circ\!\!\!C$ 95%RH	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.	

#### 7. PACKAGE METHOD

- <1> 100pcs per box, Total 10 boxes per carton, total 1000pcs carton; Volume: L\*W\*H=510\*330\*300mm
- < 2 > RoHS Mark

