

# **Piezoelectric MEMS Speaker Combining Function of Silent Alarm**

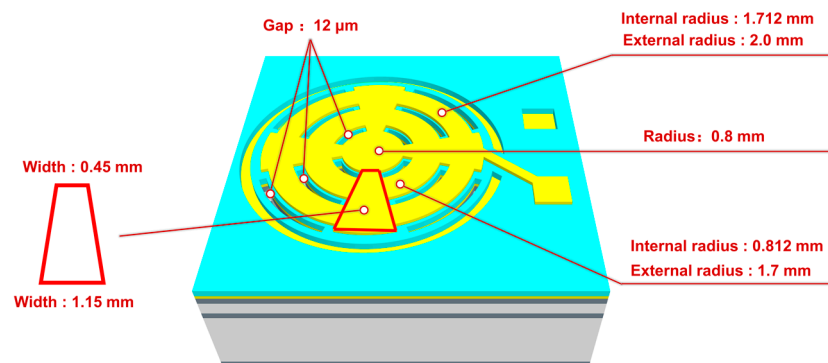
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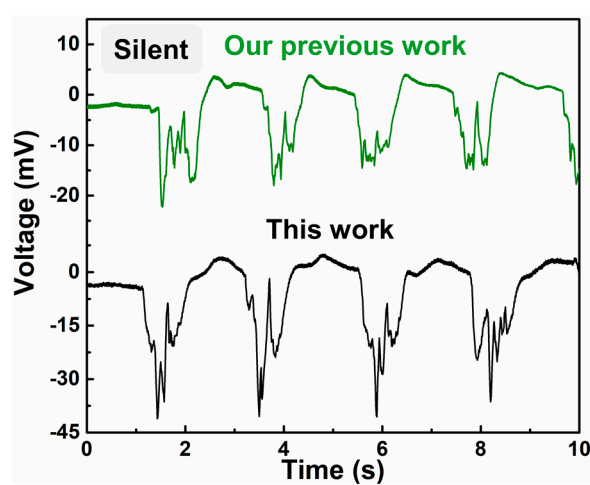
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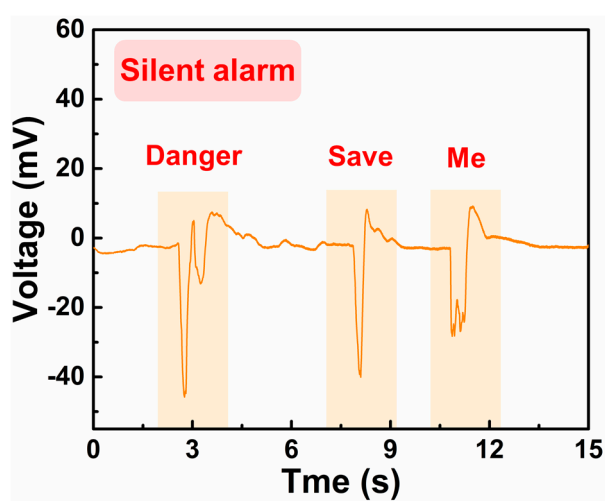
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**Figure S1.** Detailed sizes of device.



**Figure S2.** Comparison of voltage signals between this work and our previous work.



**Figure S3.** Silent alarm in dangerous situations.