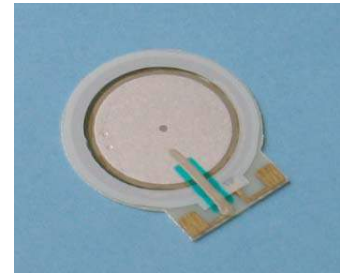


The World's Thinnest Mini Piezoelectric Speaker

■ Features

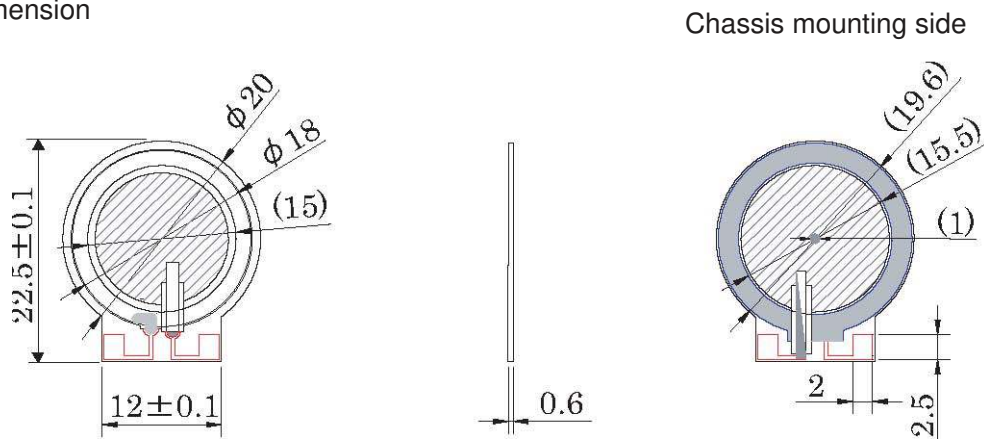
- Mini, Ultra Thin ($\Phi 20\text{mm} \times 0.6\text{t}$), High Sound Pressure Level
- Solder-less Construction by SSM Printing Technology
- Utilizes a High Reliability Multilayer Vibrating Plate made from SSM-Developed High-Efficient LTC Piezo material.



■ Applications

- Digital Still Camera, Digital Video Camera, MD(Mini Disk), Cell Phone, Electronic Dictionary, Game, etc.

■ Outer Dimension



*More than 0.5mm of open space in the front and rear of speaker is recommended for proper operation.

■ Rating

Part No. **HAP-BME-20-13N01**

Sound Pressure	72dB at 1Vrms Sine Wave, Mic. Distance 10cm, Pressure averaging at 0.8k, 1k, 1.5k, 2kHz	Sound
Resonant Frequency	1,050Hz to 1,450Hz	
Static Capacitance	950nF +/-30%	
Rated Input Voltage	1Vrms (2.8Vp-p)	
Maximum Input Voltage	10Vp-p	
Operating Temperature Range	-20°C to +60°C	
Storage Temperature Range	-30°C to +70°C	

■ Frequency Characteristics (Example)

