



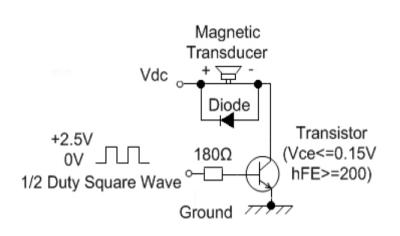
Data Sheet	SMT-1035-S-2-R

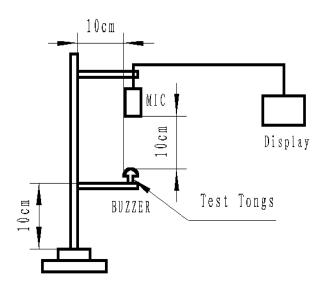
Specifications

Parameters	Values	Units
Rated Voltage	3.6	V0-peak
Operating Voltage Range	3 ~4.5	V0-peak
Coil Resistance	18 ± 5	Ohms
Resonant Frequency	3500 ± 20%	Hz
Minimum SPL @ 10cm		
(at rated voltage)	90	dBA
Max Current Consumption*	100	mA
Case Material	Black LCP	-
Terminal Material	Gold-plated Brass	-
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-40 ~ +85	°C
Weight	0.8	Grams

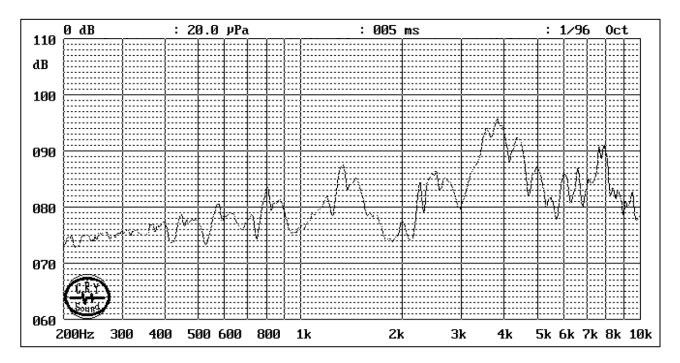
^{*}With rated voltage applied at resonant frequency with a 50% duty cycle square wave

Measurement Method



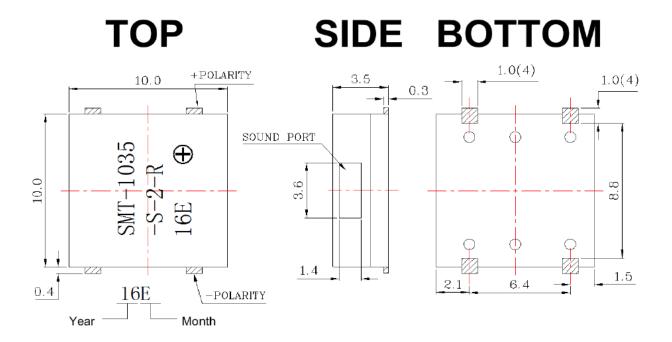


Frequency Response (measured with 3.6V @ 10cm)

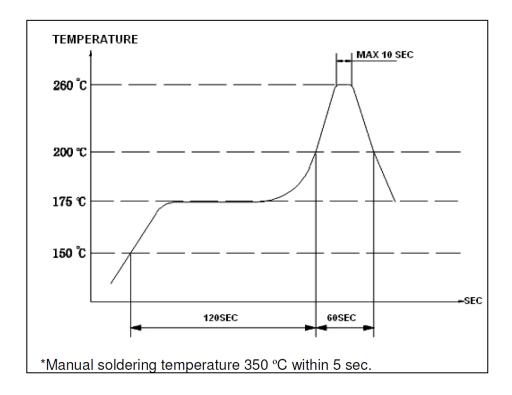


Dimensions (in mm)

Tolerance ±0.5mm except where specified



Recommended Reflow Profile

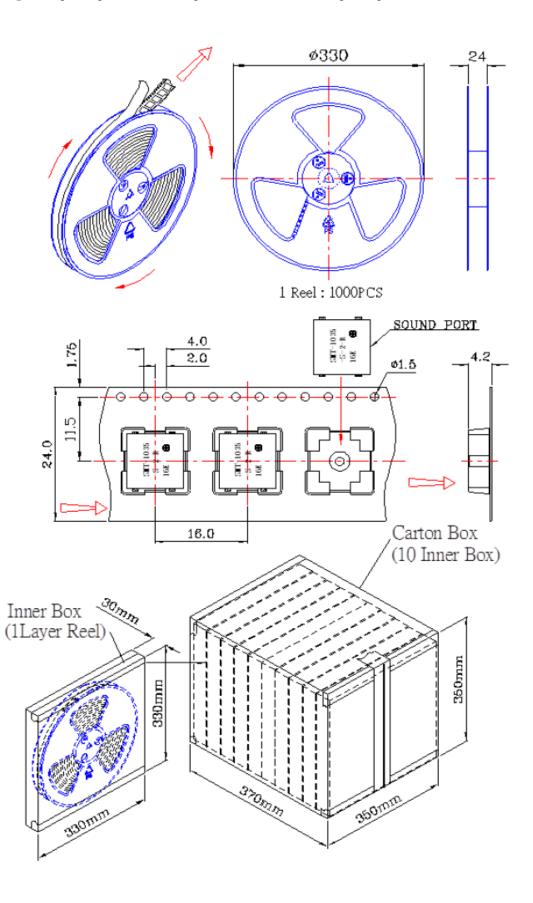


Reliability Testing

Type of Test	Test Specifications	
High Temperature Test	96 hours at +85°C ± 2°C followed by two hours in normal room temperature	
Low Temperature Test	96 hours at -40°C ± 2°C followed by two hours in normal room temperature	
Humidity Test	96 hours at +40°C ± 3°C with relative humidity at 90%~95% followed by two hours in normal room temperature	
Temperature Cycle Testing	The part shall be subjected to 5 cycles using the following procedure: Low temperature: -40°C±3°C High temperature:+85°C±3°C Cycle: 30 mins at low, 15 mins at 20°C, 30 mins at high, 15 mins at 20°C	
Vibration Test	10 to 55 Hz @ 1.5mm amplitude 2 hours in each axis X, Y, and Z.	
Drop Test	Drop part from 75cm onto 40mm thick board, twice per side	
Shock Test	Apply 980m/s ² shock to part three times in each axis X, Y, and Z	

After the test the part shall meet specifications without any degradation in appearance and performance except SPL shall be initial value±10dB or more.

$Packaging_{\,1,000\,pieces\,per\,reel,\,10\,reels\,per\,master\,carton,\,10,000\,pieces\,per\,master\,carton}$



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Specifications Revisions

Revision	Description	Date
-	Released from Engineering	1/30/2018

Note:

- 1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are ± 0.5 mm and angles are $\pm 3^{\circ}$.
- 2. Specifications subject to change or withdrawal without notice.
- 3. This part is RoHS 2011/65/EU Compliant.