



# PUIaudio



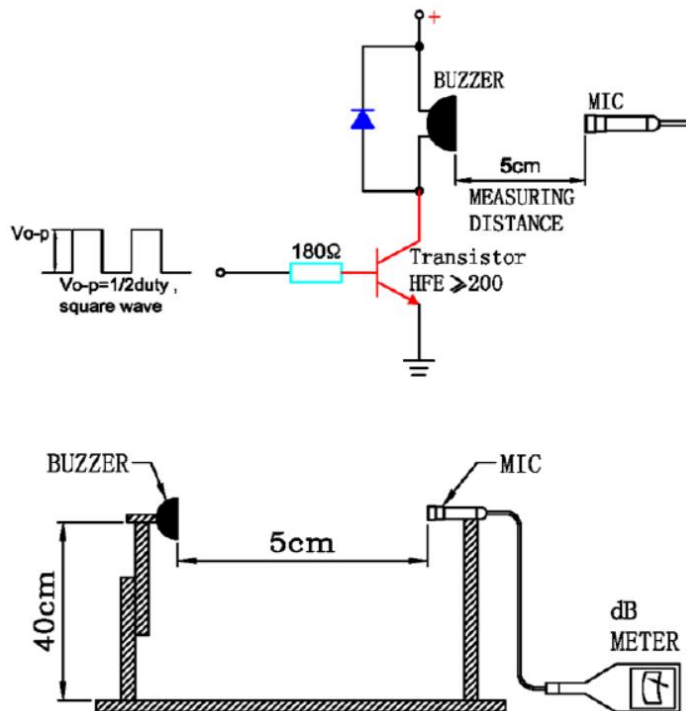
## Data Sheet

SMT-0931-S-R

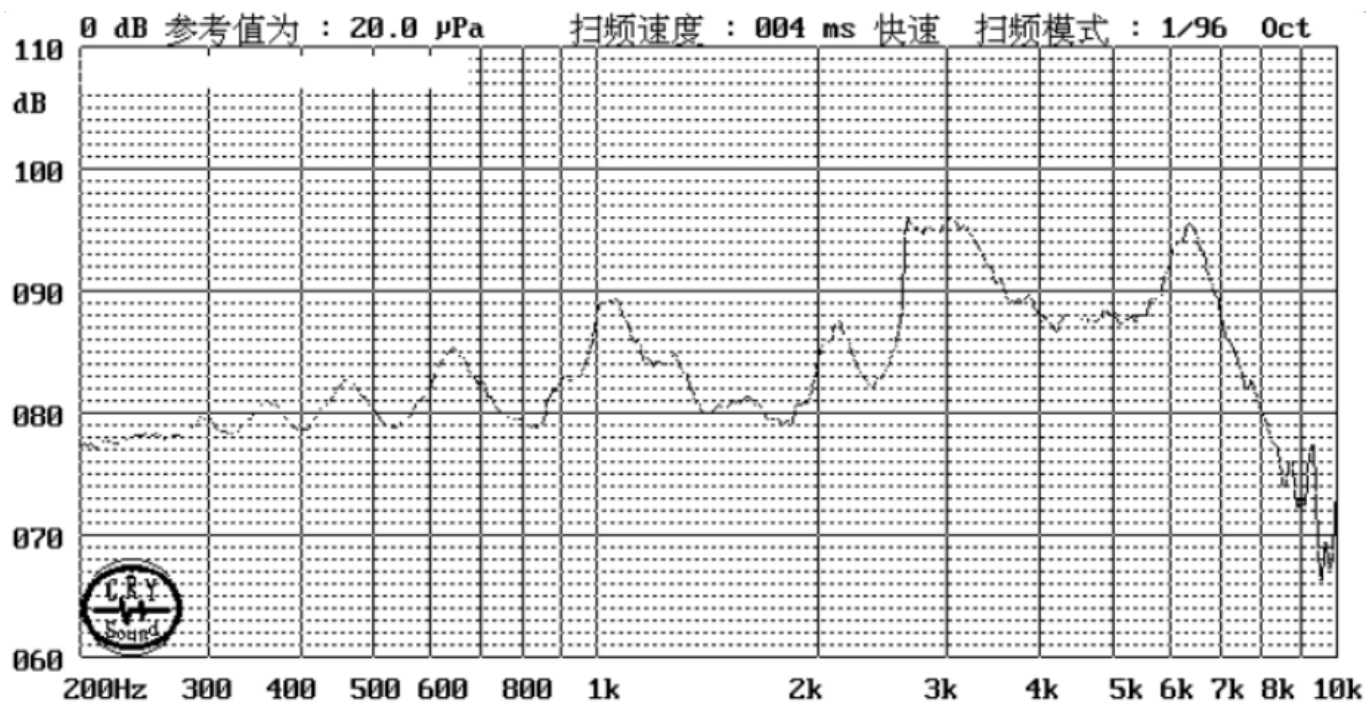
## Specifications

Parameters	Values	Units
Rated Voltage	3.6	V0-p
Operating Voltage Range	3 ~ 5	V0-p
Current Draw at Rated Voltage	80 (Max.)	mA
Coil Resistance	$20 \pm 3$	Ohms
Minimum SPL @ 5cm	95	dBA
Resonant Frequency	$3100 \pm 500$	Hz
Housing Material	LCP (White)	-
Terminal Material	Au plated Brass	-
Weight	0.8	Grams
Acceptable Soldering Methods	Hand Solder, Reflow Solder	See page 3 for soldering information
Environmental Compliances	RoHS/REACH	-
Moisture Sensitivity Level (MSL)	2A	-
Storage Temperature	-40 ~ +85	°C
Operating Temperature	-40 ~ +85	°C

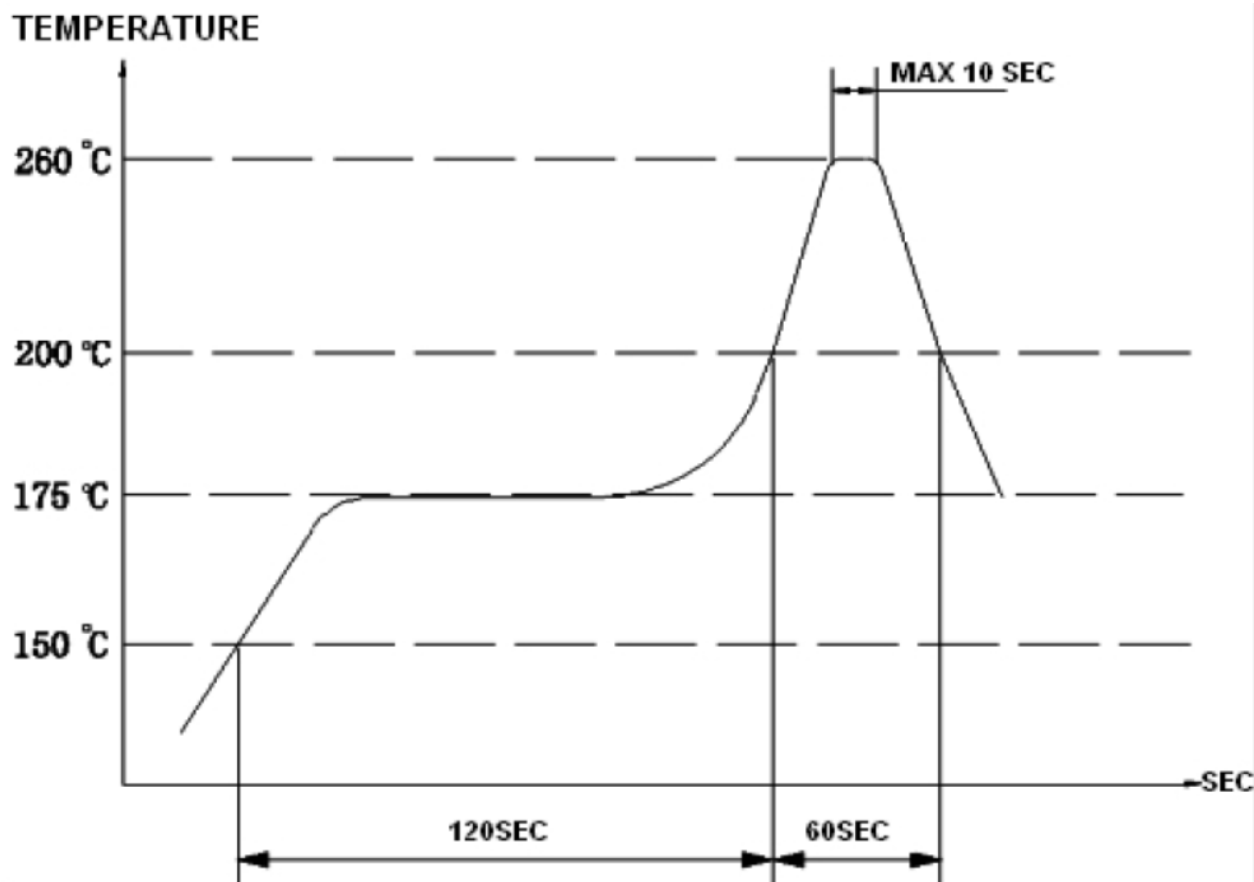
## Measurement Method (3.6V0-p, 3.1kHz, 50% duty cycle square wave with SPL meter spaced at 5cm)



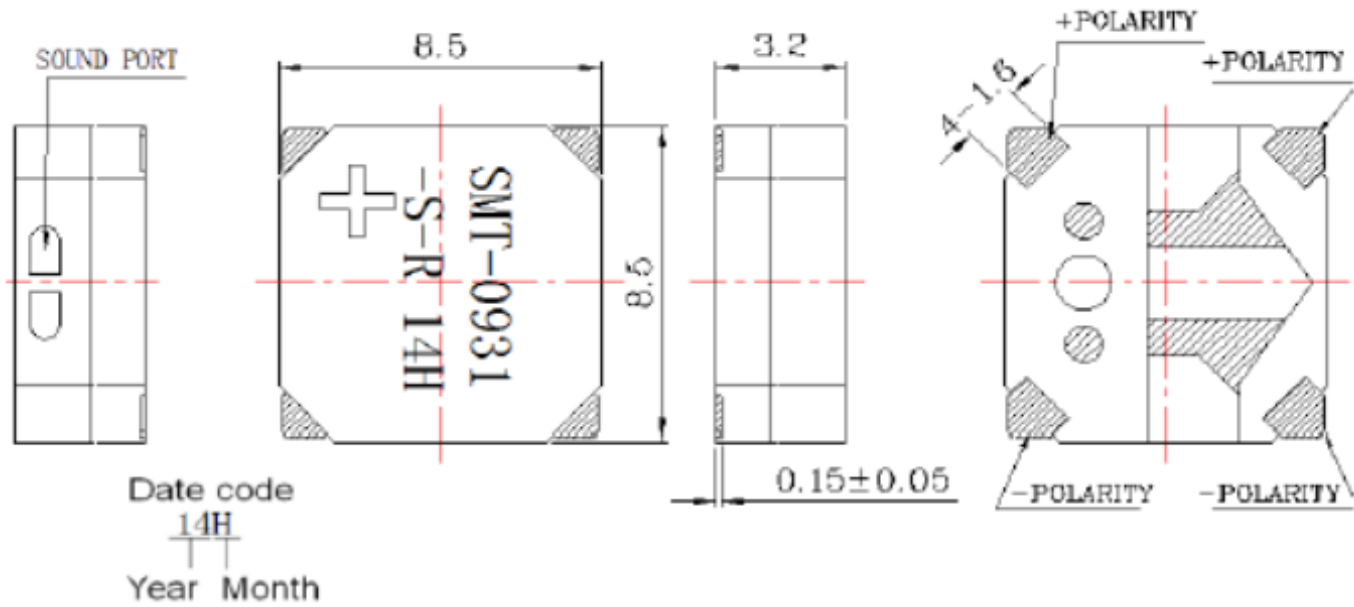
## Typical Frequency Response (3.6V0-p square wave with microphone spaced at 5cm)



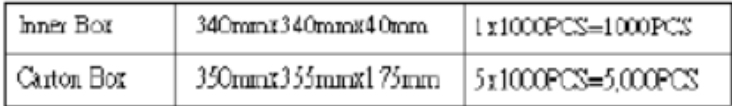
## Recommended Reflow Soldering Procedure



## Dimensions (Tolerance is $\pm 0.5\text{mm}$ unless stated otherwise)



## Packaging



### Specifications Revisions

Revision	Description	Date	Approved
-	Released from Engineering	07/31/2014	BR
A	Revised Operating Temperature	12/14/2020	ML
B	Add MSL 2A	02/14/2025	ML

Note:

- Unless otherwise specified:
  - All dimensions are in millimeters.
  - Default tolerances are  $\pm 0.5\text{mm}$  and angles are  $\pm 3^\circ$ .
- Specifications subject to change or withdrawal without notice.