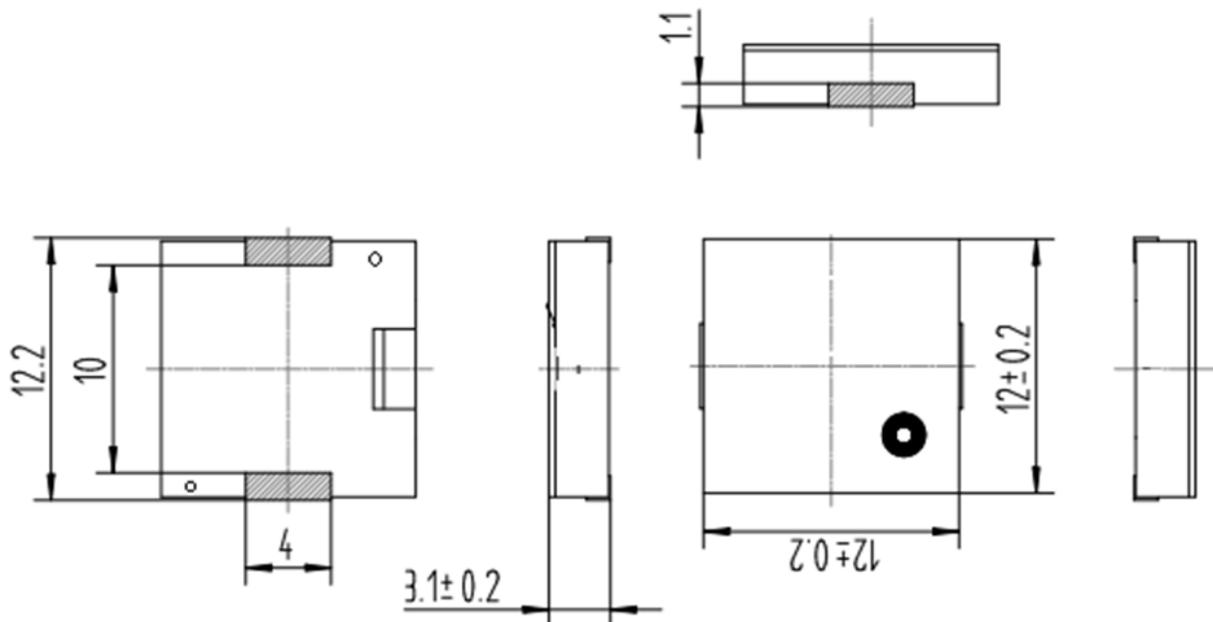




Electrical Specifications

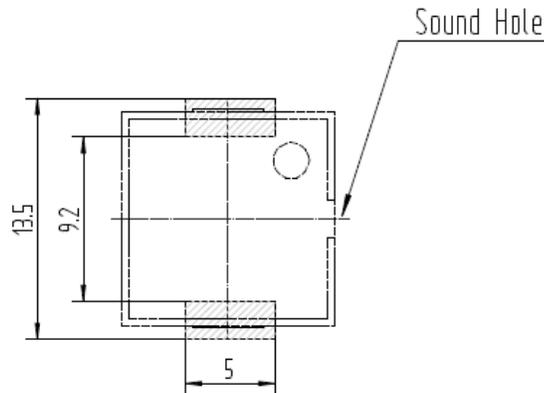
PARAMETERS		VALUE	UNIT
Resonant Frequency		2000	Hz
Operating Voltage		1.0 ~ 25	Vp-p
Rated Current, max	@ 2kHz 50% duty Square Wave 5Vp-p	3.0	mA
Sound Output, min	@ 2kHz 50% duty Square Wave 5Vp-p	70	dB
Capacitance	@ 120Hz	16000±30%	pF
Operating Temperature Range		-30 ~ +120	°C
Storage Temperature Range		-40 ~ +120	°C
Housing Material		LCP (Black)	-
Leading Pin		Tin Plated Brass	-
Weight		0.5	g

Dimension

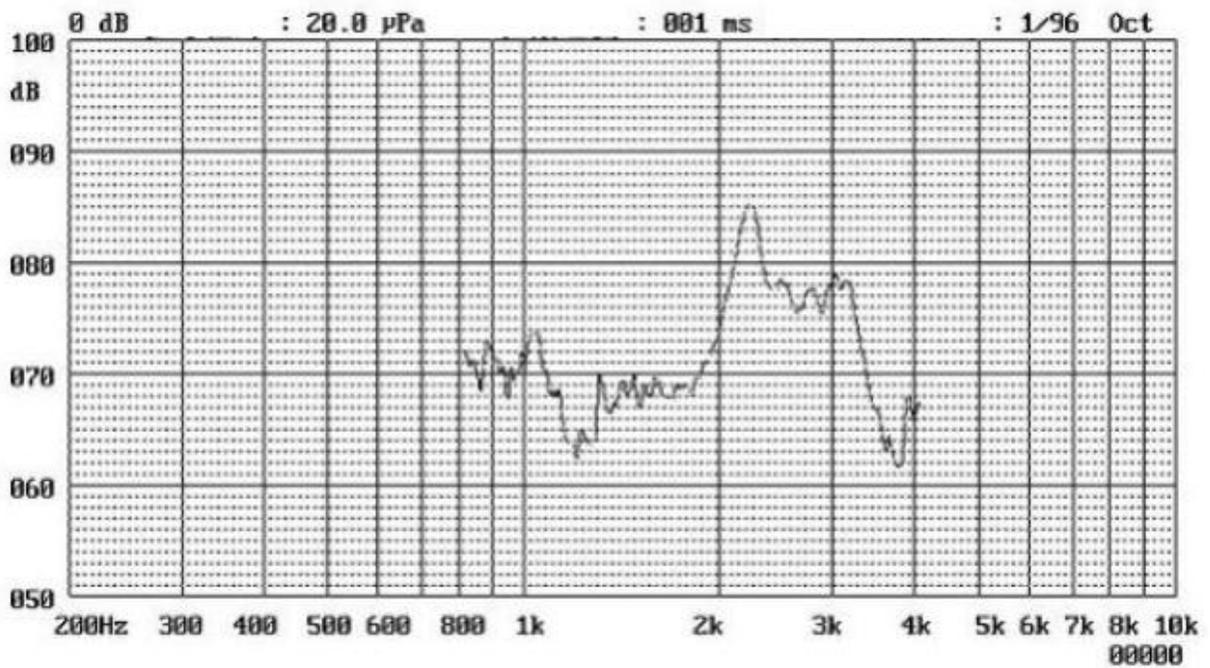


Unit: mm; Tolerance: ±0.3mm Except Specified
Terminal plate: 2 soldering pads, tin Plating Brass

Soldering Pattern

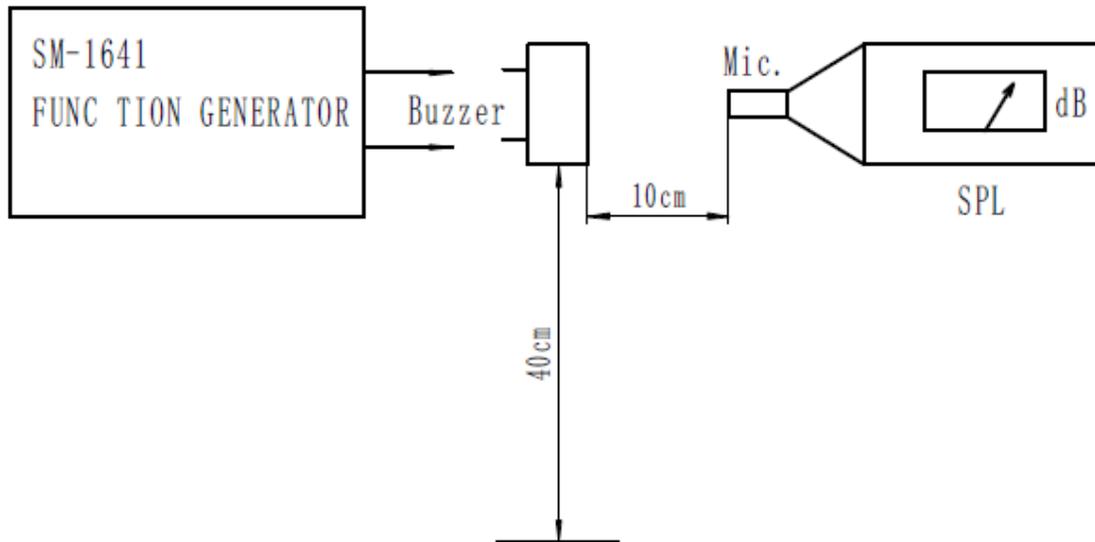


Frequency Characteristics



5Vp-p 50% duty Square wave, 10cm

Testing Method



Reliability Test

After any following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall not deviate more than -10 dB from the initial value

Ordinary Temperature Life Test

The part shall be subjected to 96 hours at $25 \pm 10^\circ\text{C}$. Input rated voltage Resonant frequency, 1/2 duty Square wave.

High Temperature Test

The part shall be capable of with standing a storage temperature of $+80^\circ\text{C}$ for 96 hours.

Low Temperature Test

The part shall be capable of with standing a storage temperature of -30°C for 96 hours.

Humidity Test

Temperature: $+40^\circ\text{C} \pm 3^\circ\text{C}$ Relative Humidity: 90%~95% Duration: 48 hours and expose to room temperature for 6 hours

Temperature Shock Test

Temperature: $60^\circ\text{C} / 1\text{hour} \rightarrow 25^\circ\text{C} / 3\text{hours} \rightarrow -20^\circ\text{C} / 1\text{hour} \rightarrow 25^\circ\text{C} / 3\text{hours}$ (1cycle)

Total cycle: 10 cycles

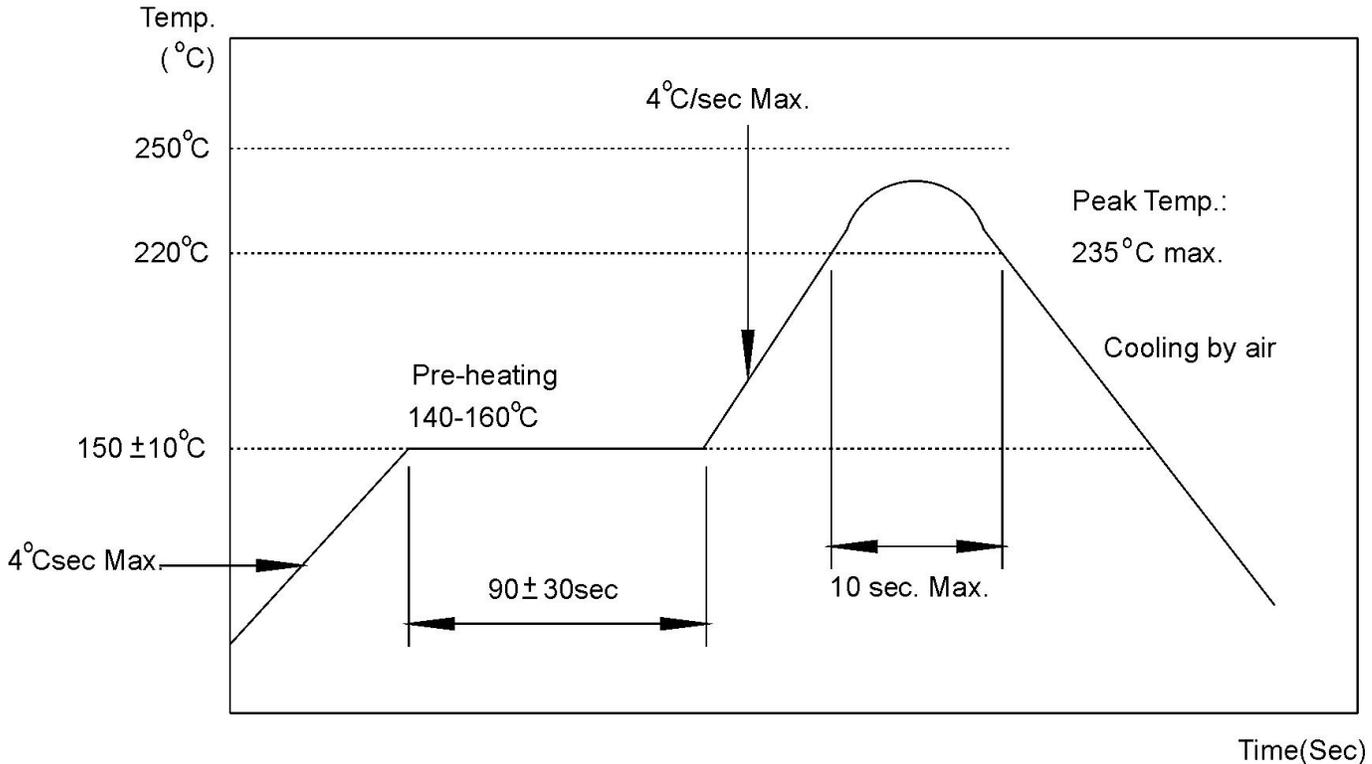
Drop Test

Standard Packaging From 75cm(Drop on hard wood or board of 5cm thick, three sides, six plain.)

Vibration Test

Vibration:1000cycles /min. Amplitude:1.5mm, Duration: 1 hour in each 3 axes

Reflow Soldering



APPROVAL

DRAWN BY	AR, June 26, 2025
APPROVED BY	CP, June 26, 2025
REVISION	A, Initial Release
	B, AR, March 23, 2026 Updated the drawings
	C, AR, March 24, 2026 Updated the Current Revision Levels

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