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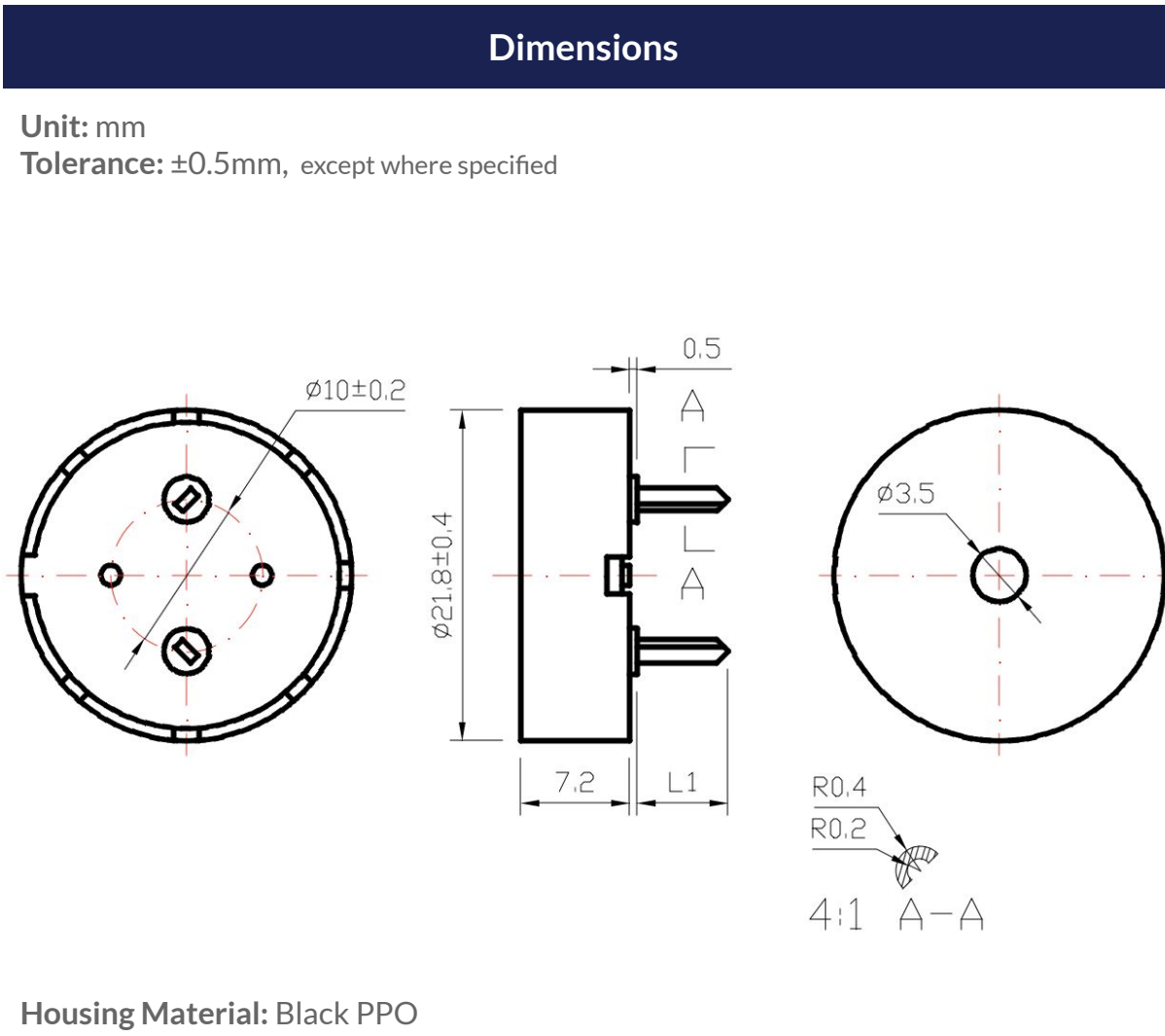
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Specifications		
Item	Unit	Specification
Resonant Frequency	Hz	4000±500
Operating Voltage	Vp-p	1 ~ 30
Rated Voltage	Vp-p	5
Rated Current	mA	Max. 3 at 4.0KHz 50%, duty cycle, square wave, 5 Vp-p
Sound Output	dB	Min. 85 at 4.0KHz 50%, duty cycle, square wave, 5 Vp-p
Capacitance	pF	15000±30% at 120Hz
Operating Temperature	°C	-20 ~ +120
Storage Temperature	°C	-30 ~ +120
Terminal	Pin Type	
Pin Length	mm	L1=4.0±0.5, Φ=0.6±0.1 (Flat Pins)
Dimensions	mm	Φ21.8×H7.2
Housing Material	Black PPO	
Net Weight	gram	Approx. 2.0
Environmental Protection Regulation	RoHS 2.0	



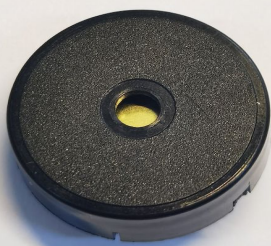


soberton inc.

PIEZOELECTRIC
CERAMIC
ELEMENT

Acoustic Product Specification

Product Number: PT-2207TF



Release | Revision: A/2026

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Reliability Test

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

Standard Temperature Life Test

The part shall be subjected to 96 hours at 25±10°C.

Input rated voltage: 5 Vp-p

Resonant frequency: 4000Hz, 50% duty cycle, square wave

High Temperature Test

The part shall be capable of withstanding a storage temperature of +120°C for 96 hours.

Low Temperature Test

The part shall be capable of withstanding a storage temperature of -40°C for 96 hours.

Humidity Test

Temperature +40°C±3°C

Relative Humidity 90% ~ 95%

Duration 48 hours and exposure to room temperature for 6 hours

Temperature Shock Test

Per cycle

70°C/1 hour → 25°C/3 hours → -30°C/1 hour → 25°C/3 hours

Total cycle 10 cycles

Drop Test

Standard Packaging from 1.2m

Drop on hardwood or board of 5cm thick, three sides, six plain

Vibration Test

Vibration 1000 cycles /minute

Amplitude 1.5mm

Duration 1 hour in each 3 axes

Note

Please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. Contamination may result in a loss of some or all audio output.



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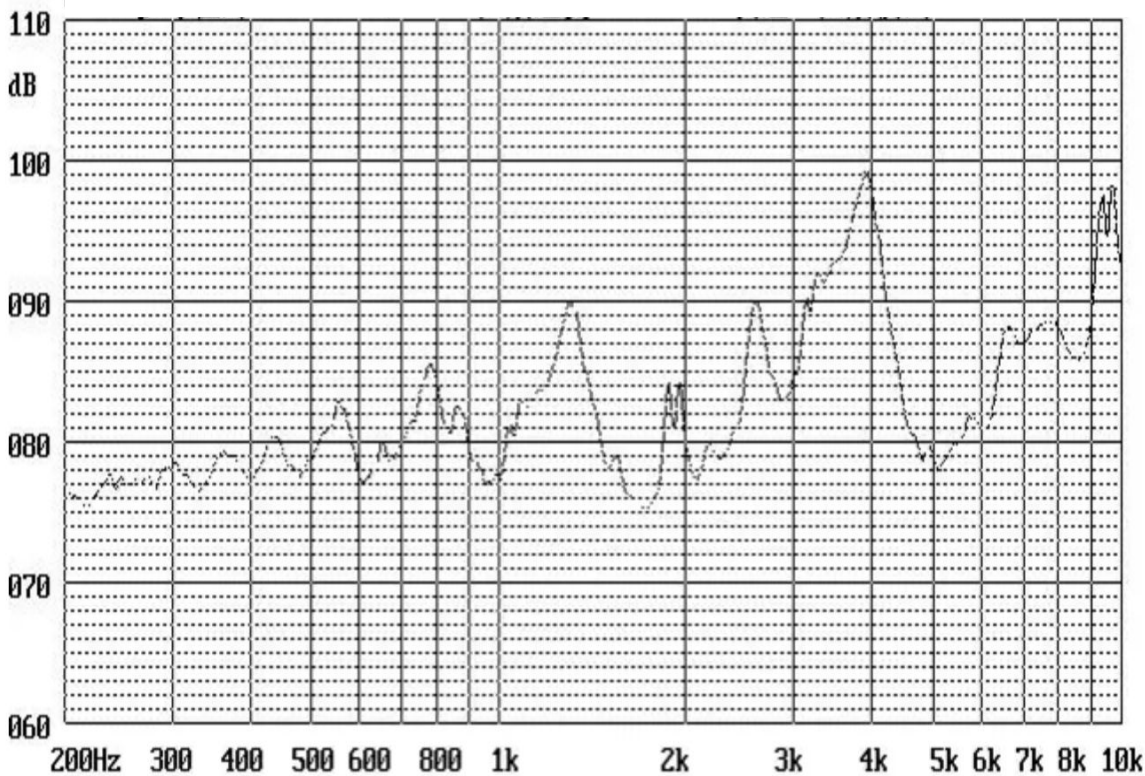
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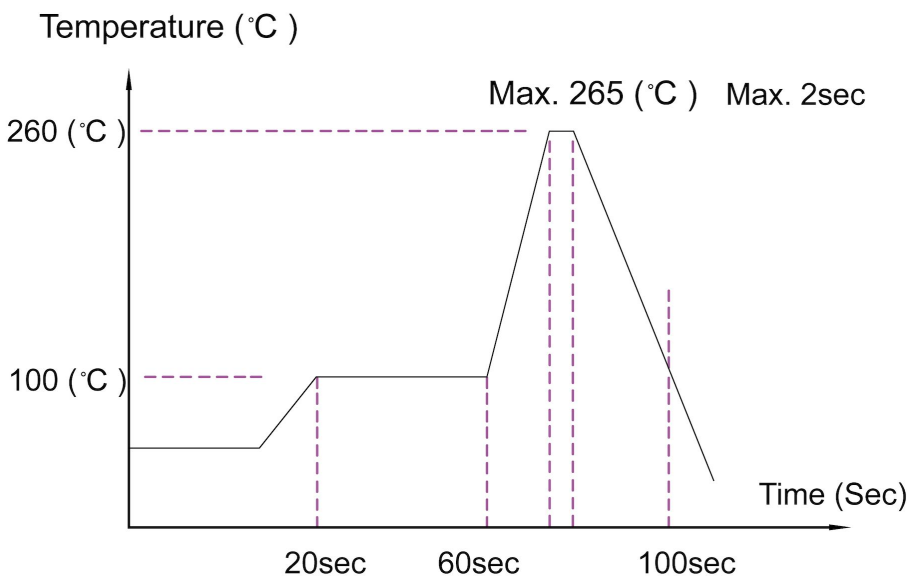
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5 Vp-p, 50% duty cycle, square wave, at 10cm

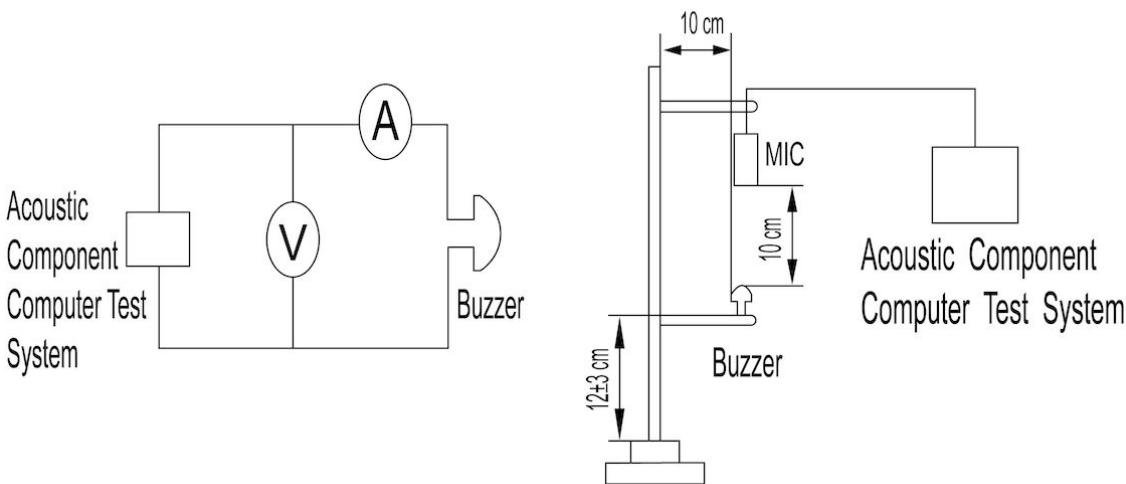


Recommended Wave Soldering Temperature



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Recommended Setting





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PIEZOELECTRIC CERAMIC ELEMENT

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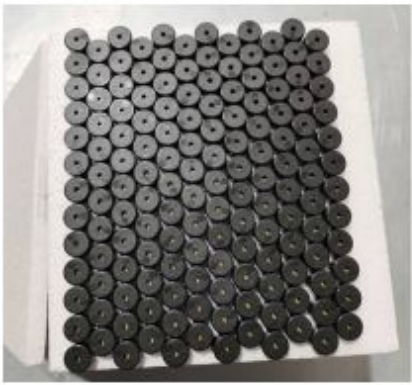
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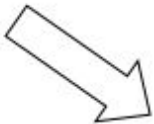
60pcs



60pcsx10=600pcs



2400pcs



600pcsx4 = 2400pcs

Package Item	Package Qty
Tray	60 pcs
Bundle	600 pcs
Carton	4 Bundles
Carton	2400 pcs