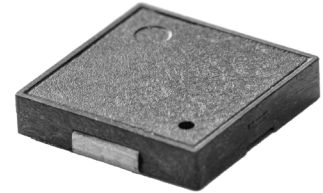
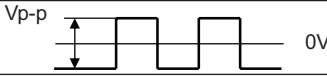


MODEL: CPT-9019B-SMT-TR | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- externally driven
- low profile
- SMT
- vertical pads in reel


SPECIFICATIONS

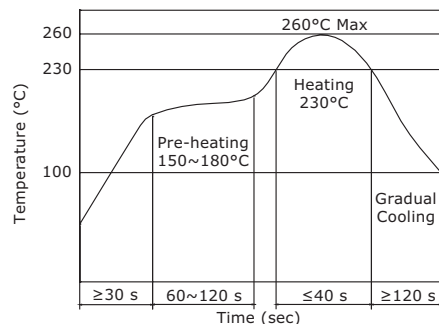
parameter	conditions/description	min	typ	max	units
rated voltage	V _{p-p} 		3		V _{p-p}
operating voltage		1		25	V _{p-p}
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			1	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave	72	75		dB
electrostatic capacitance	at 1 kHz	8,400	12,000	15,600	pF
dimensions	9 x 9 x 1.9				mm
weight			0.2		g
material	LCP				
terminal	surface mount (brass with tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	no				
RoHS	yes				

Notes: 1. All specifications measured at 25±3°C, humidity at 60~70%, under 86~106 kPa pressure, unless otherwise noted.

SOLDERABILITY

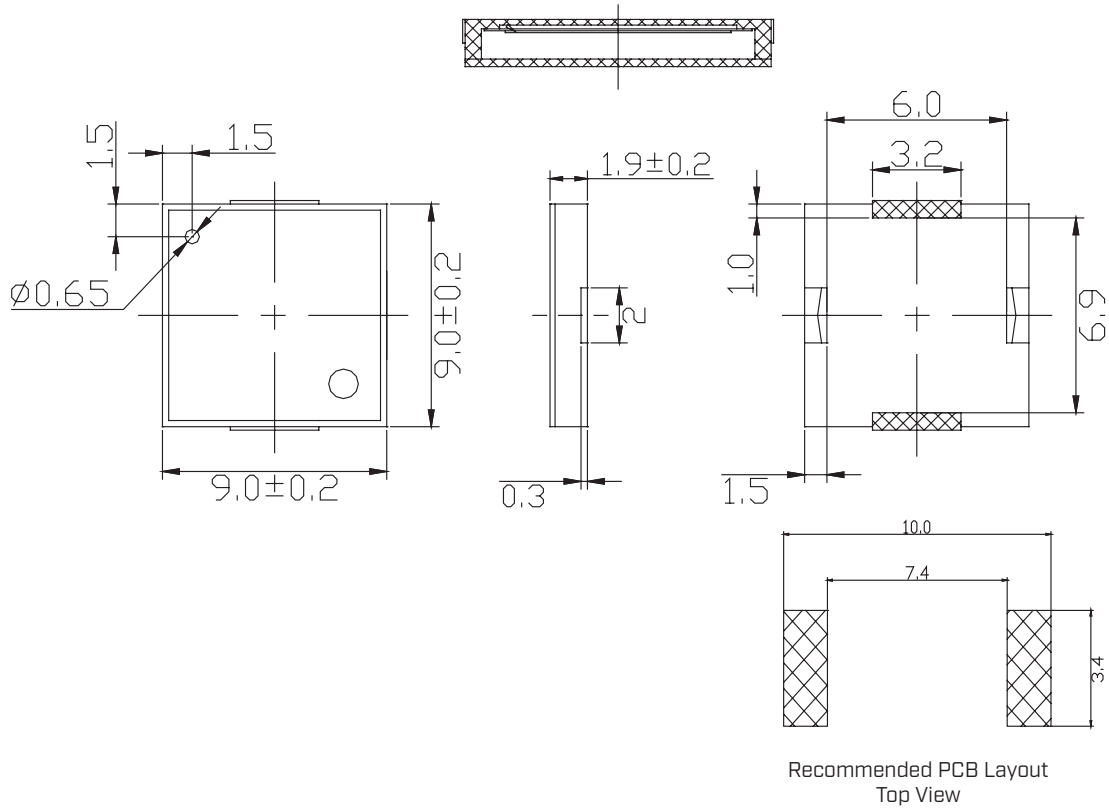
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <40%			25	°C
reflow soldering ²	see recommended reflow soldering profile			260	°C
drying conditions ³	bake at 40°C for 24 hours				

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
3. When out of packaging for more than 48 hours.

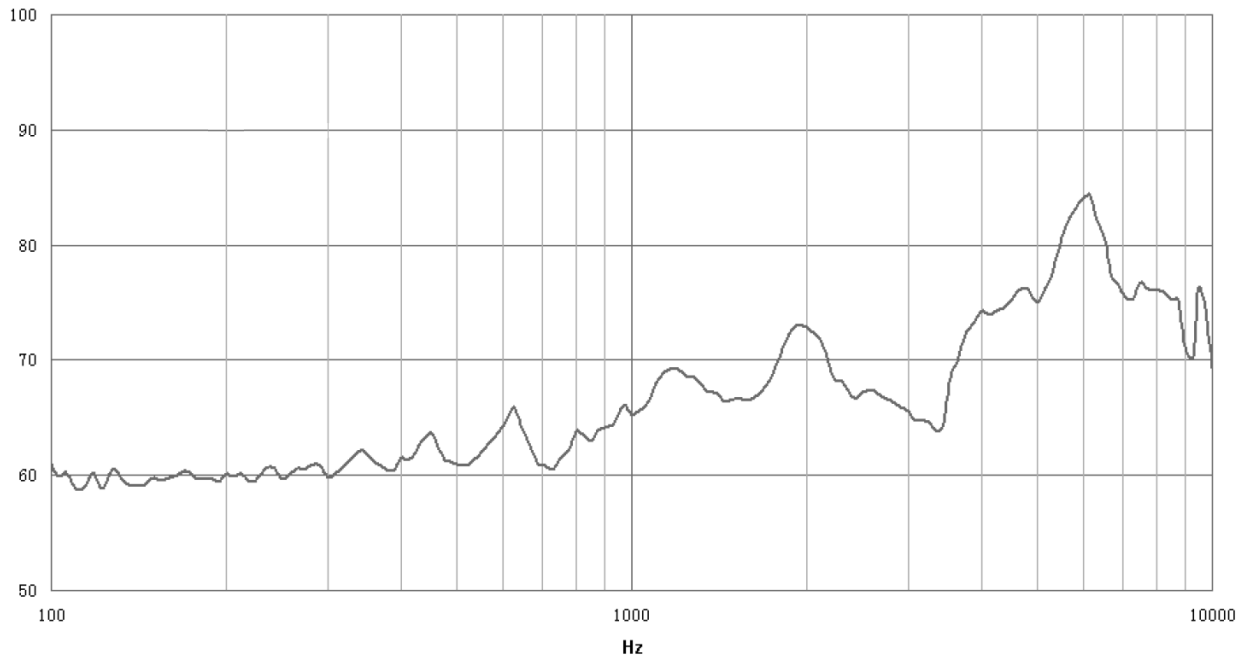


MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm



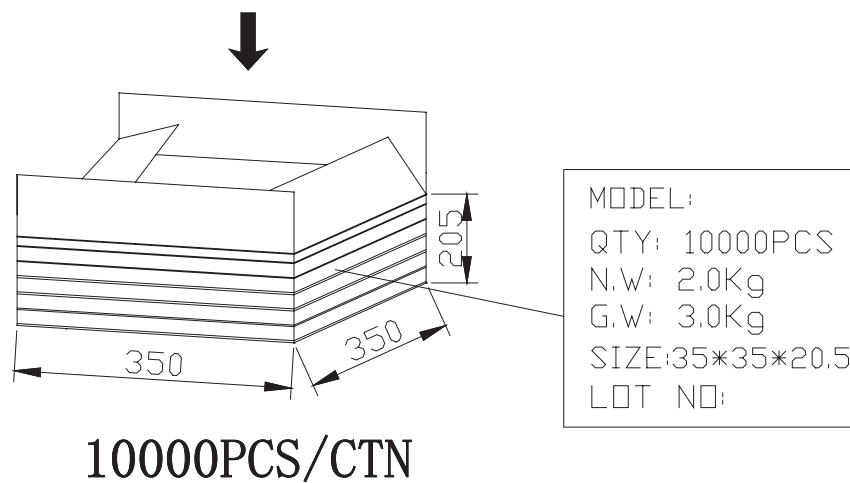
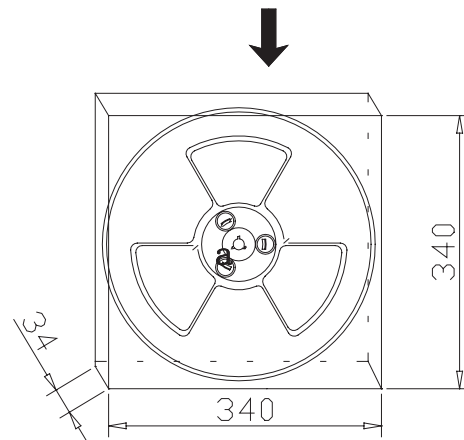
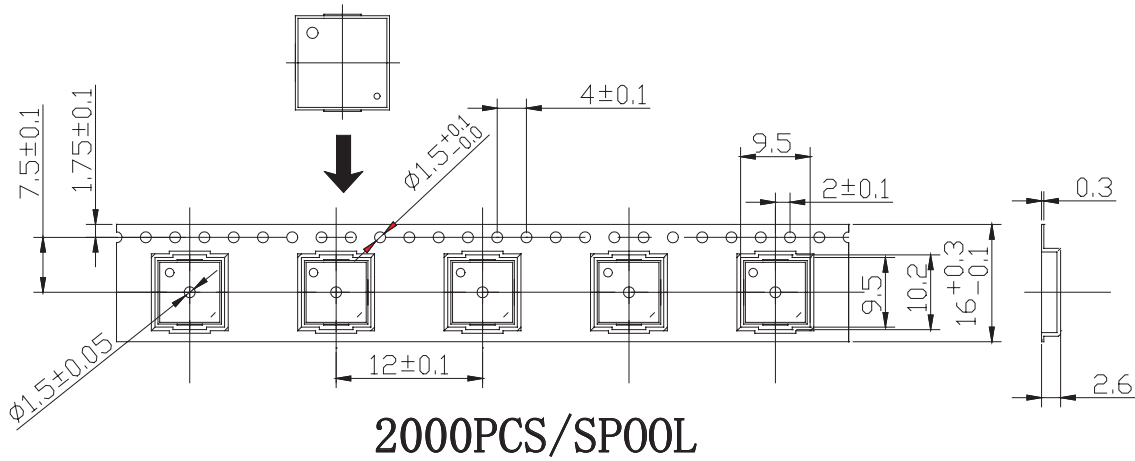
FREQUENCY RESPONSE CURVE



PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm
 Reel QTY: 2,000 pcs per reel
 Carton Size: 350 x 350 x 205 mm
 Carton QTY: 10,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	04/19/2023

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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