


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

## FEATURES

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



## SPECIFICATIONS

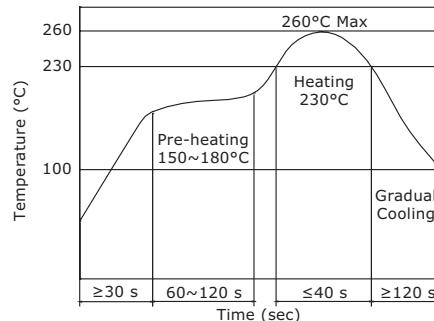
parameter	conditions/description	min	typ	max	units
rated voltage	V <sub>p-p</sub>		3		V <sub>p-p</sub>
operating voltage		1		25	V <sub>p-p</sub>
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			1	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, 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

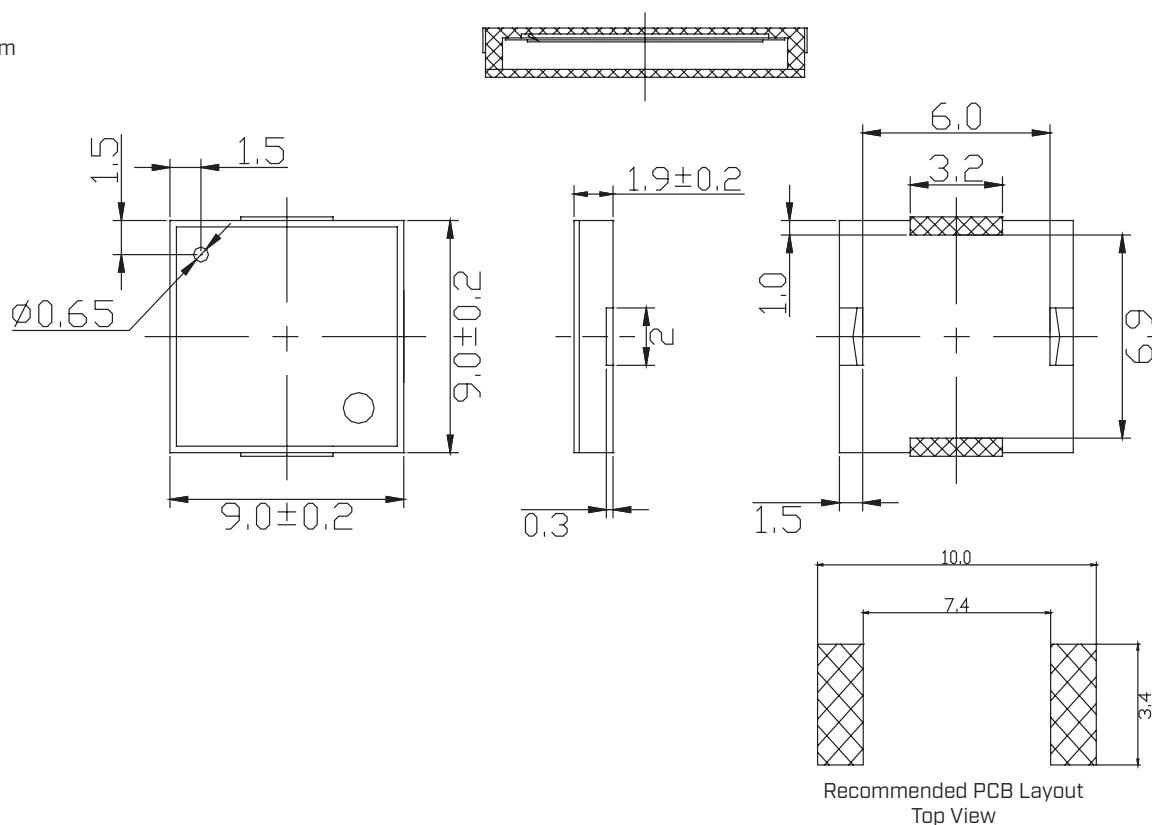
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <40%		25		°C
reflow soldering <sup>2</sup>	see recommended reflow soldering profile		260		°C
drying conditions <sup>3</sup>	bake at 40°C for 24 hours				

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.



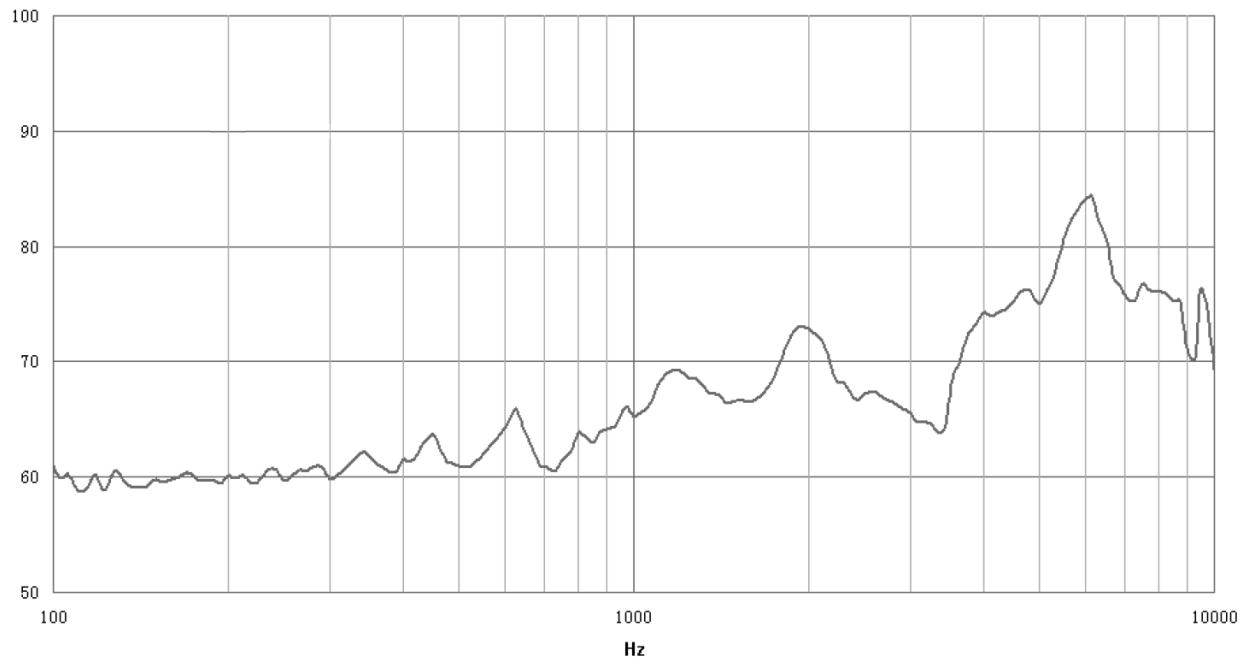
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



Recommended PCB Layout  
Top View

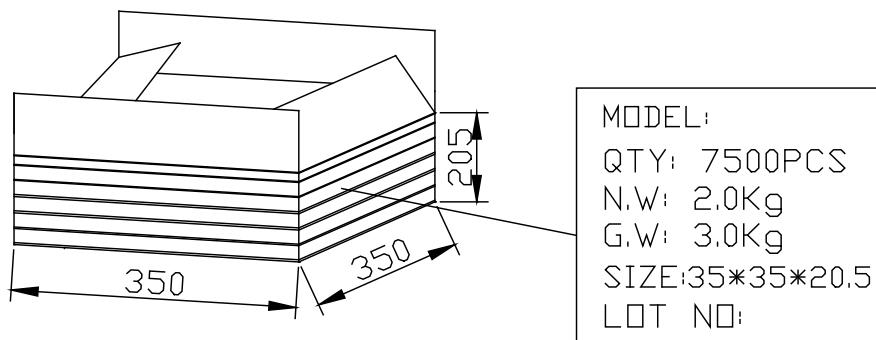
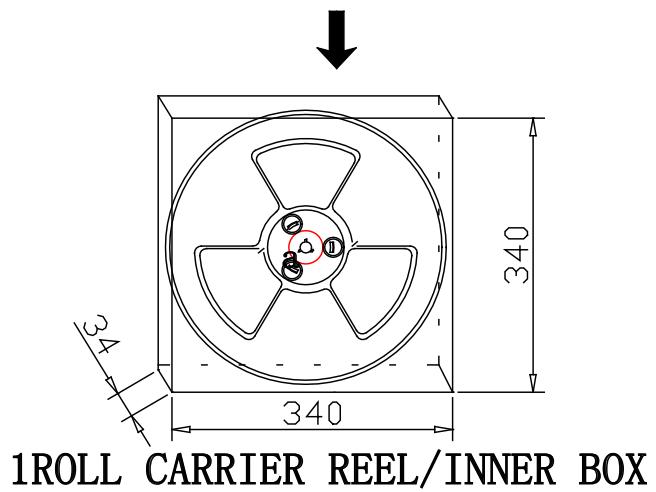
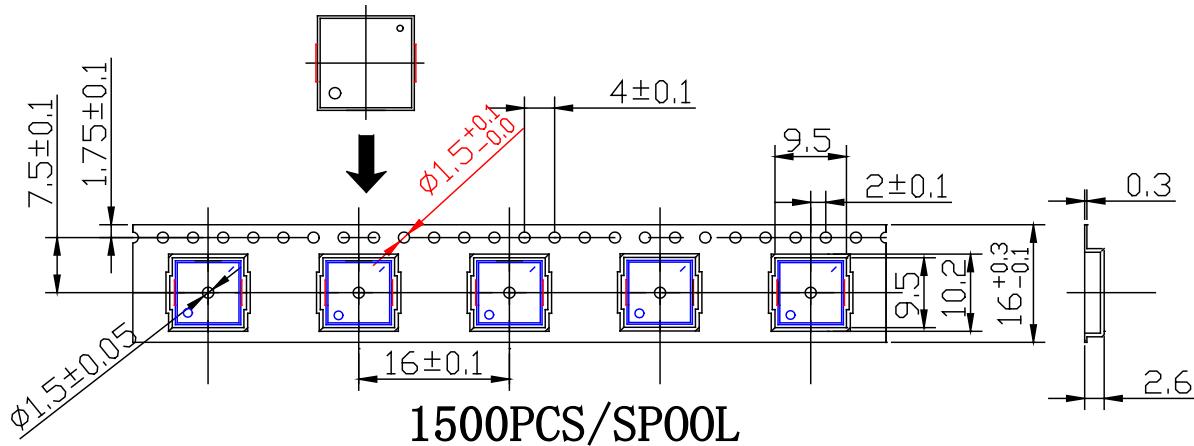
## FREQUENCY RESPONSE CURVE



## PACKAGING

units: mm

Reel Size: Ø330 mm  
 Reel QTY: 1,500 pcs per reel  
 Carton Size: 350 x 350 x 205 mm  
 Carton QTY: 7,500 pcs per carton



7500PCS/CTN

## REVISION HISTORY

rev.	description	date
1.0	initial release	04/19/2023
1.01	CUI Devices rebranded to Same Sky	09/11/2024
1.02	changed reel packaging	12/17/2024

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



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

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

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

[sameskydevices.com](http://sameskydevices.com)