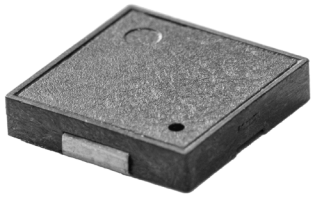
MODEL: CPT-9019A-SMT-TR | DESCRIPTION: PIEZO BUZZER TRANSDUCER

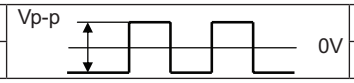
FEATURES

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



RoHS

SPECIFICATIONS

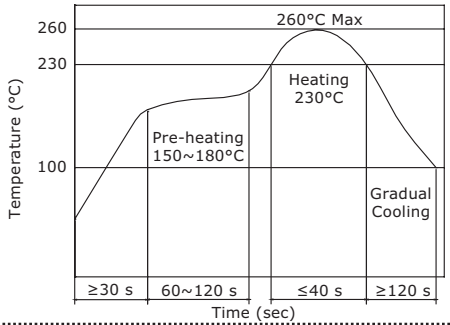
parameter	conditions/description	min	typ	max	units
rated voltage			3		Vp-p
operating voltage		1		25	Vp-p
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			1	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave	72	75		dB
electrostatic 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

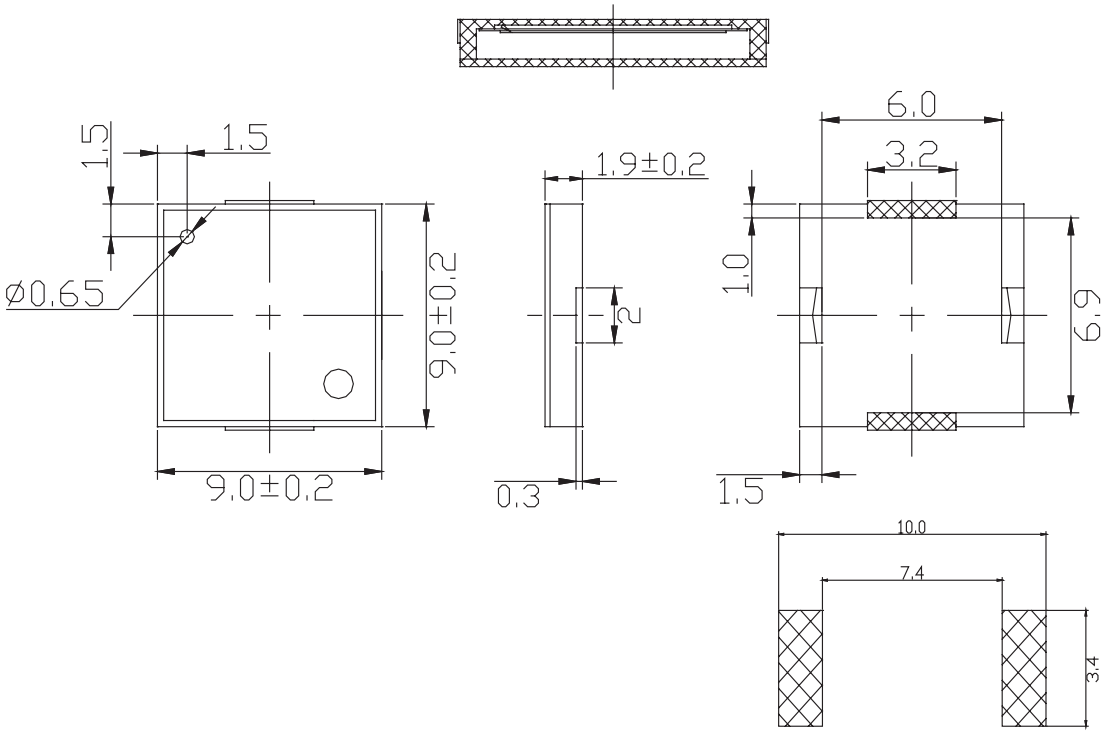
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <40%			25	°C
reflow soldering[2]	see recommended reflow soldering profile			260	°C
drying conditions[3]	bake at 40°C for 24 hours				

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.



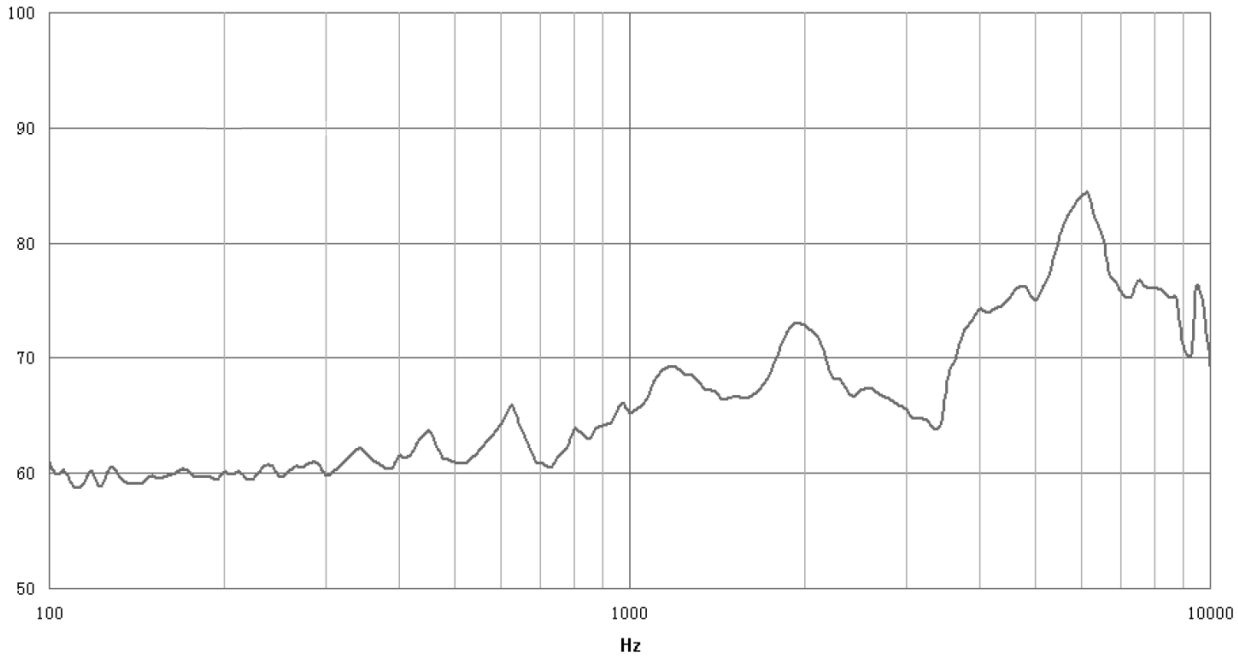
MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



Recommended PCB Layout
Top View

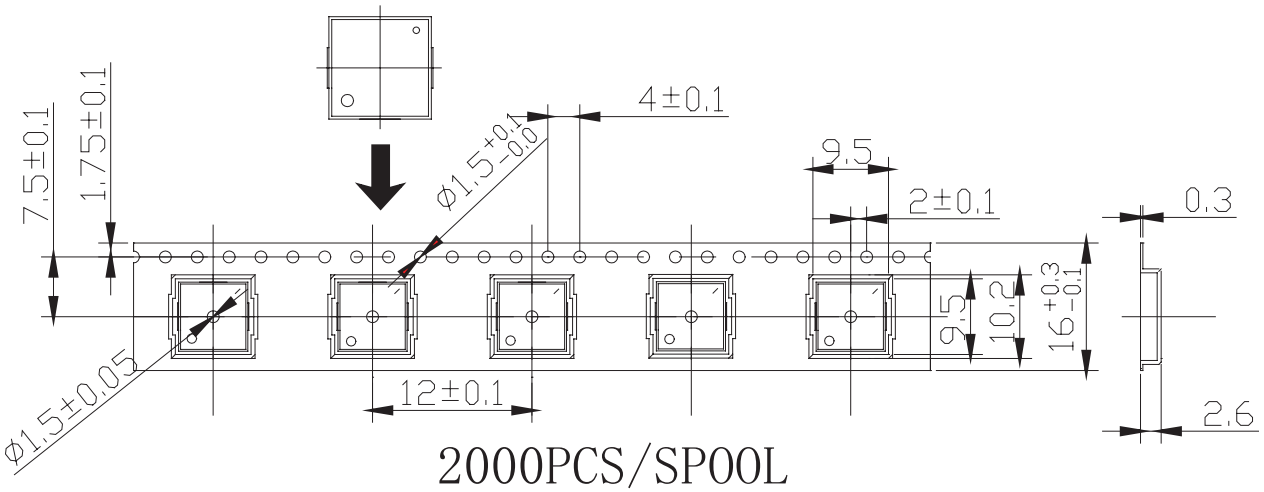
FREQUENCY RESPONSE CURVE



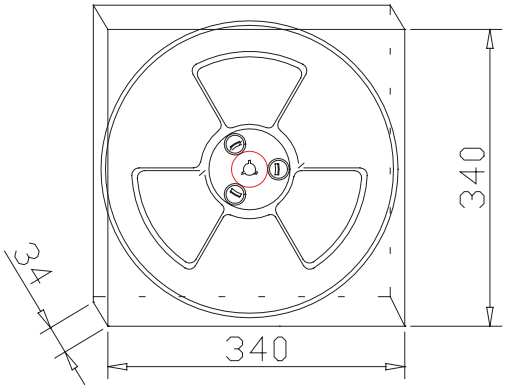
PACKAGING

units: mm

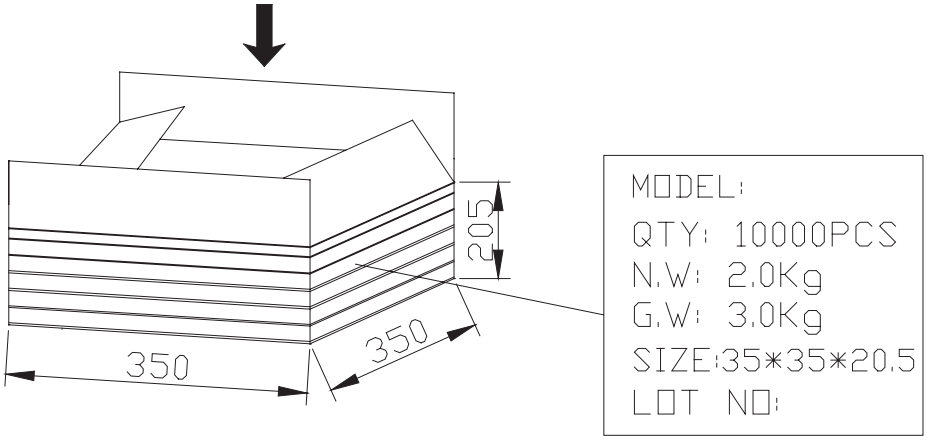
Reel Size: Ø330 mm
Reel QTY: 2,000 pcs per reel
Carton Size: 350 x 350 x 205 mm
Carton QTY: 10,000 pcs per carton



2000PCS/SPOOL



1ROLL CARRIER REEL/INNER BOX



10000PCS/CTN

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.