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MODEL: CPT-1203-78-SMT-TR | DESCRIPTION: PIEZO BUZZER TRANSDUCER

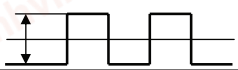
FEATURES

- surface mount
- SPL 78 dB
- piezo
- externally driven



RoHS

SPECIFICATIONS

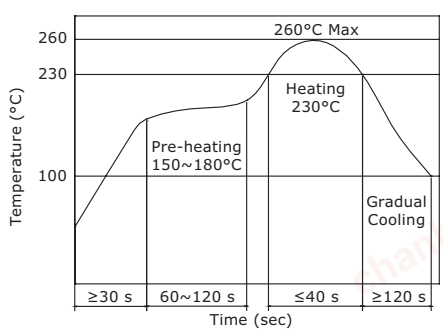
parameter	conditions/description	min	typ	max	units
rated voltage	Vp-p  0V		5		Vp-p
operating voltage		1		25	Vp-p
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			5	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave	78			dB
electrostatic capacitance	at 120 Hz	11,200	16,000	20,800	pF
dimensions	12.0 x 12.0 x 3.0				mm
weight			0.4		g
material	LCP				
terminal	surface mount (brass with tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
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 <60%			25	°C
reflow soldering[2]	see recommended reflow soldering profile			260	°C
drying conditions[3]	bake at 40°C for 24 hours				

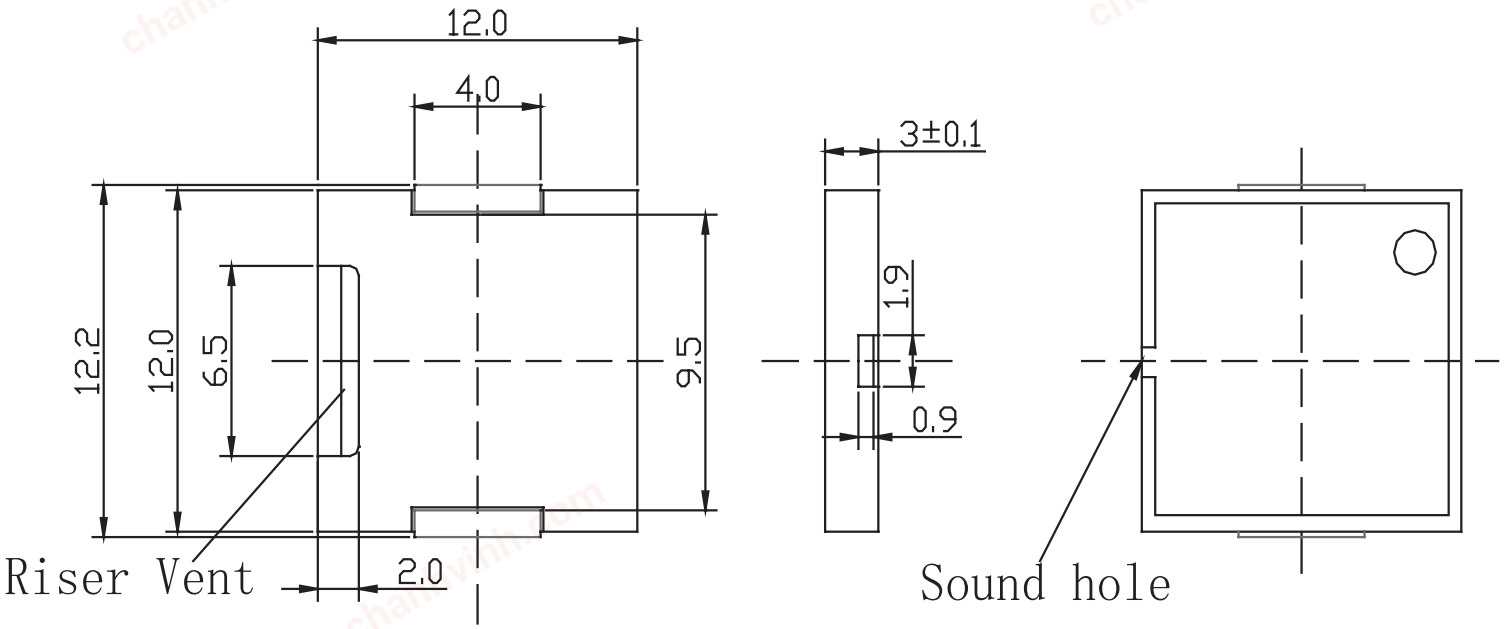
Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
3. When out of packaging for more than 48 hours.

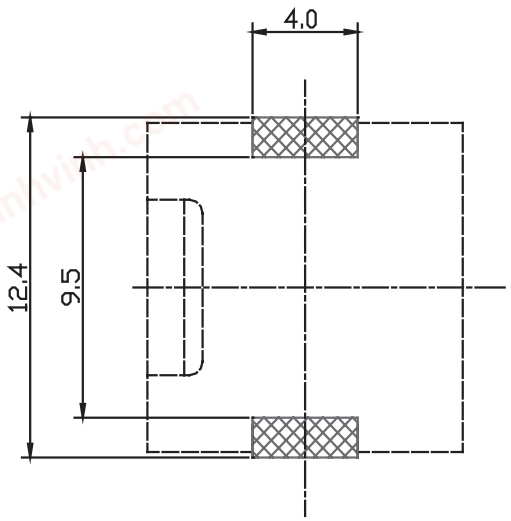


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MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

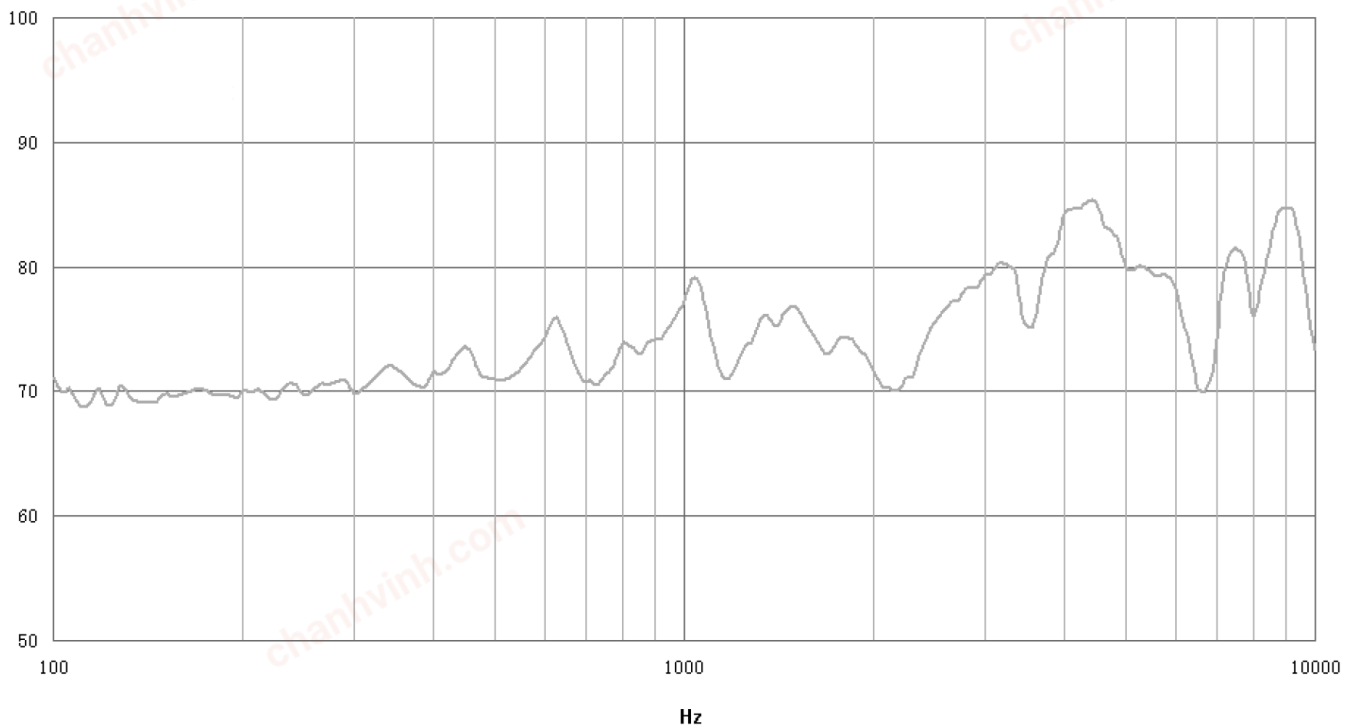




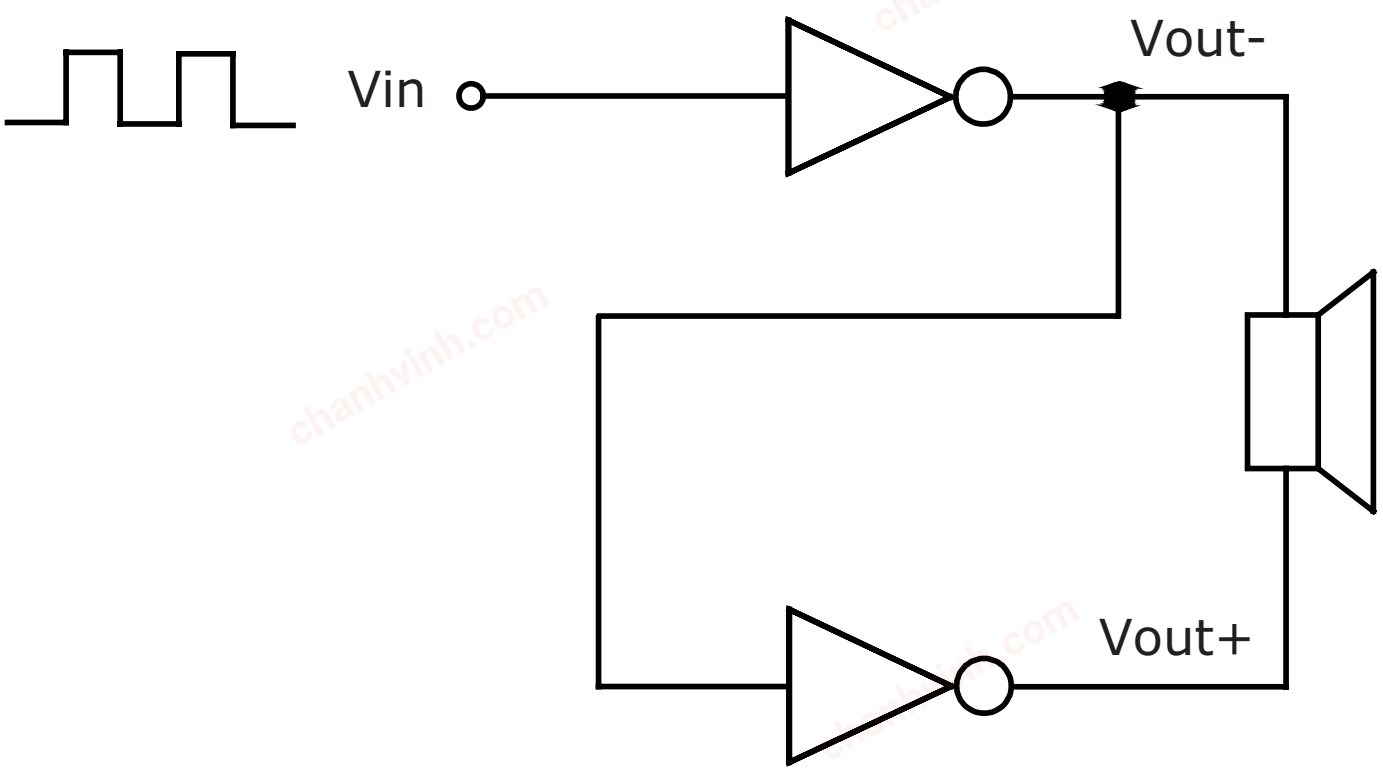
Recommended PCB Layout
Top View

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FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT

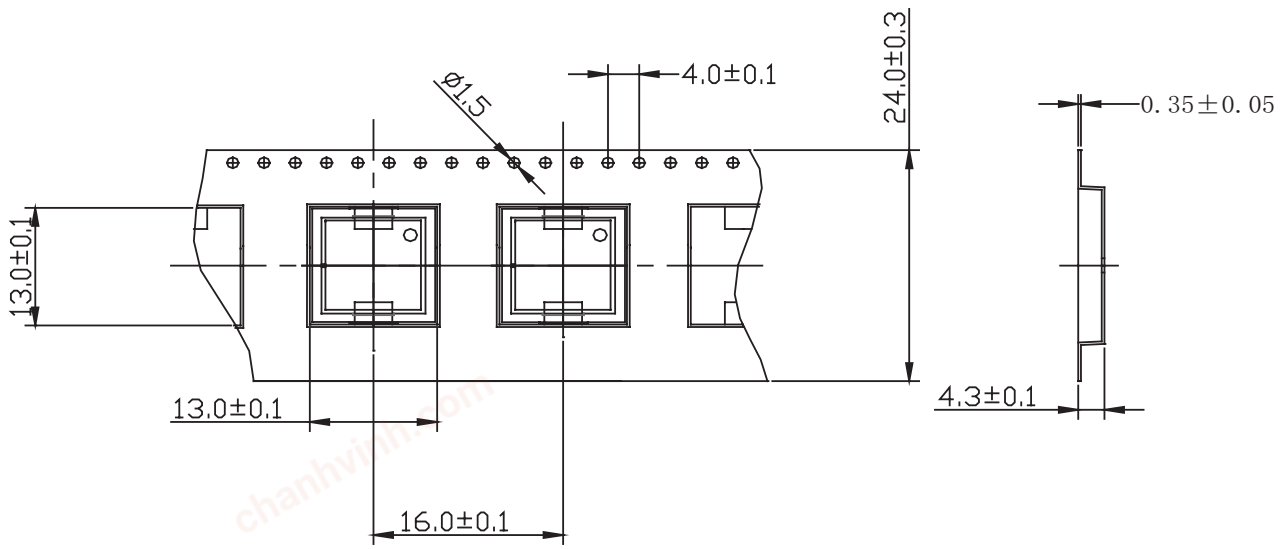


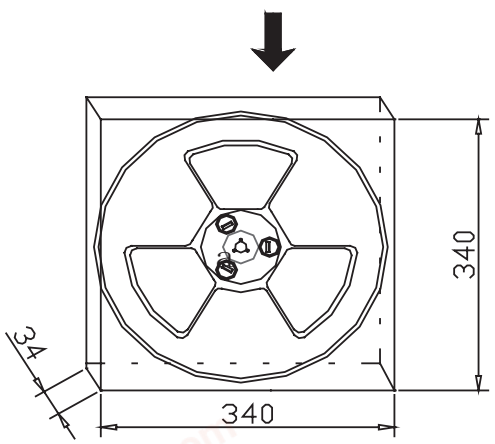
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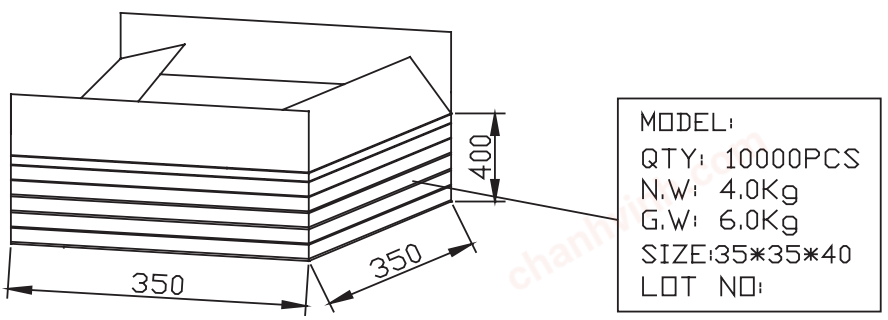
PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1,000 pcs per reel
Carton Size: 350 x 350 x 400 mm
Carton QTY: 10,000 pcs per carton







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REVISION HISTORY

rev.	description	date
1.0	initial release	07/15/2019
1.01	brand update	01/03/2020
1.02	logo, datasheet style update	08/05/2022

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

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