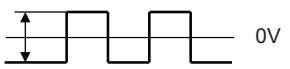


MODEL: CPT-12123-81-SMT-TR | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- 25 Vp-p max operating voltage
- 81 dB

**SPECIFICATIONS**

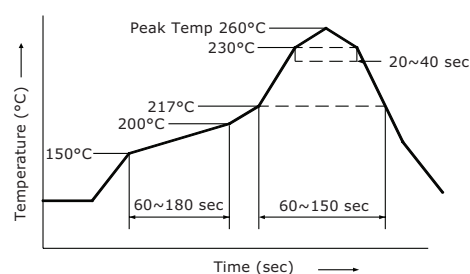
parameter	conditions/description	min	typ	max	units
rated voltage	Vp-p 		5		Vp-p
operating voltage				25	Vp-p
current consumption	at 5 Vp-p, 4,000 Hz, ½ duty square wave			5	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, 5 Vp-p, 4,000 Hz, square wave	81			dB
electrostatic capacitance	at 120 Hz / 1 V	11,200	16,000	20,800	pF
dimensions	12 x 12 x 3.0				mm
weight				0.5	g
material	LCP				
terminal	surface mount (tin plating)				
operating temperature		-40		120	°C
storage temperature		-40		120	°C
washable	no				
RoHS	yes				

Notes: 1. All specifications measured at 5-35°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

SOLDERABILITY

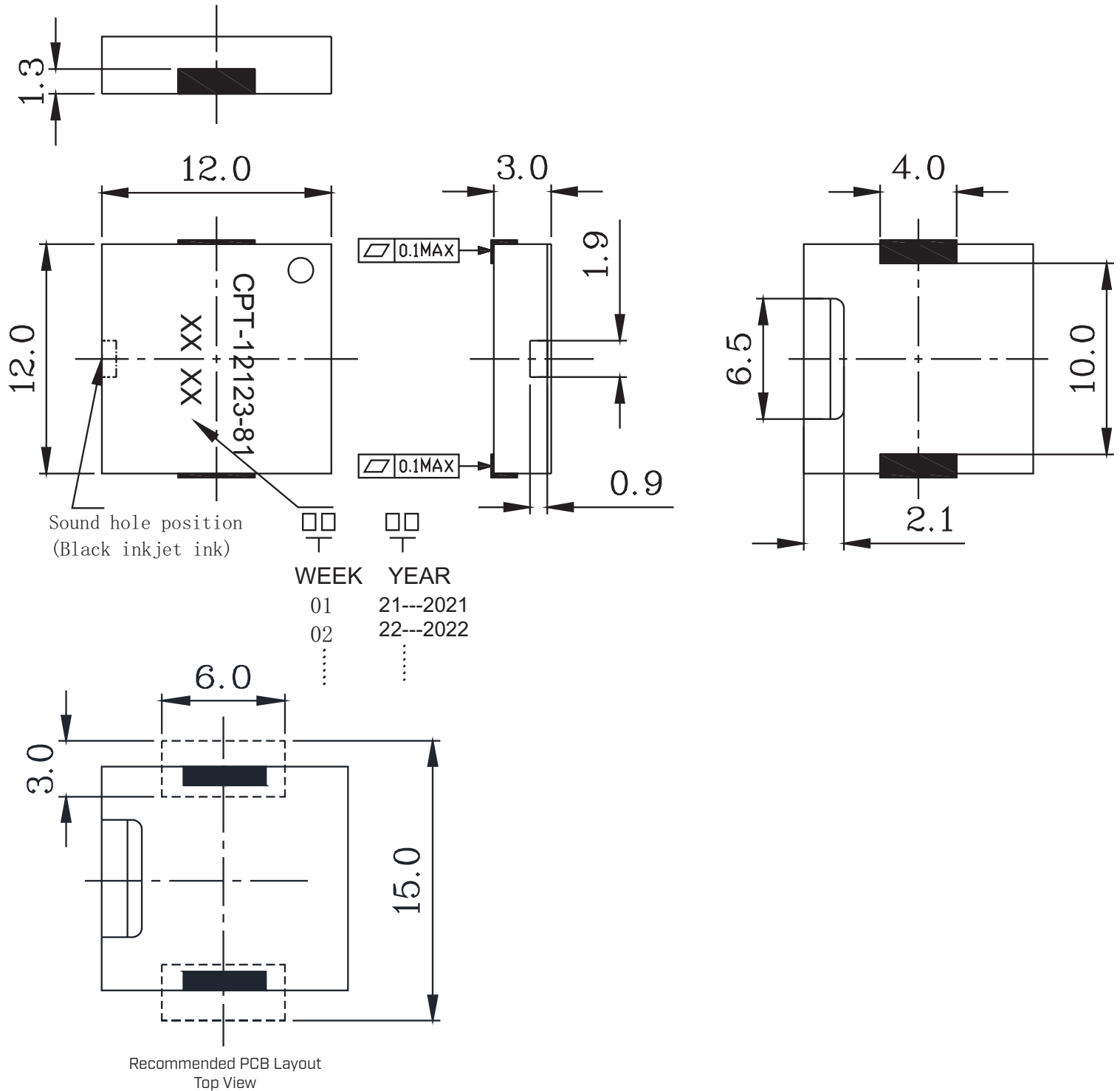
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <40%			25	°C
reflow soldering ²	see recommended reflow soldering profile			260	°C
drying conditions ³	bake at 40°C for 24 hours				

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.

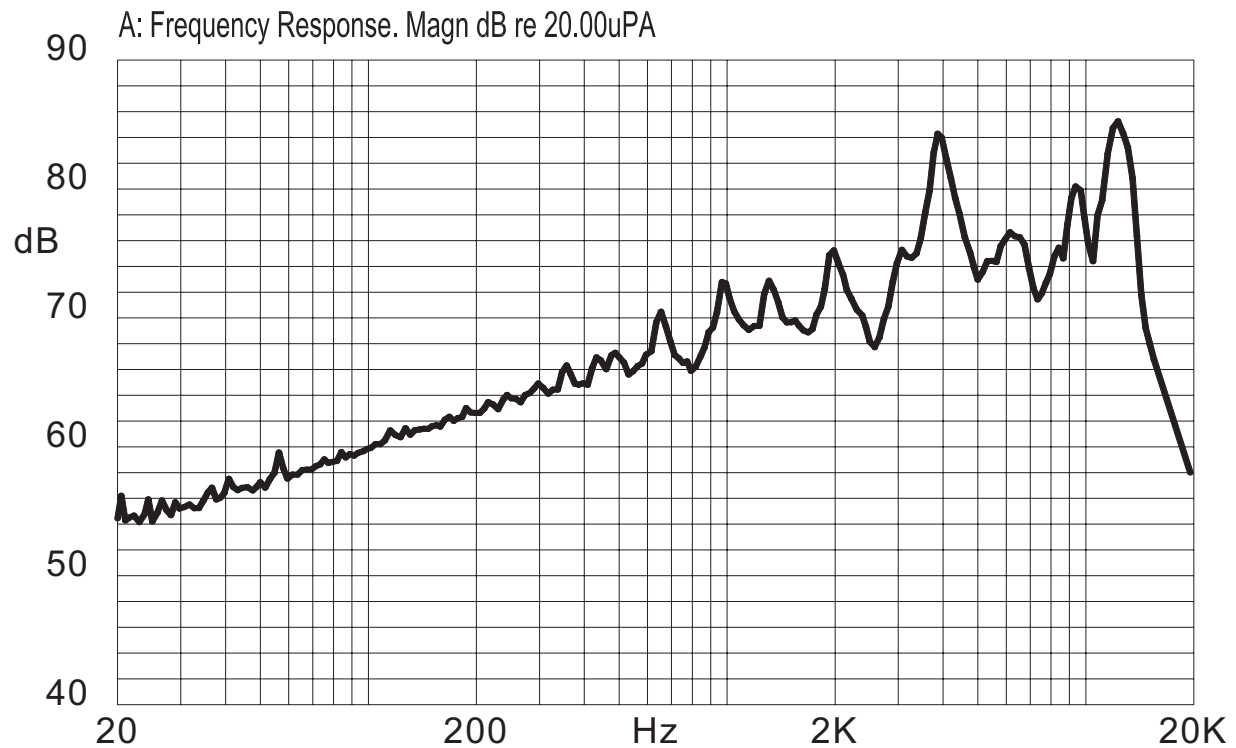


MECHANICAL DRAWING

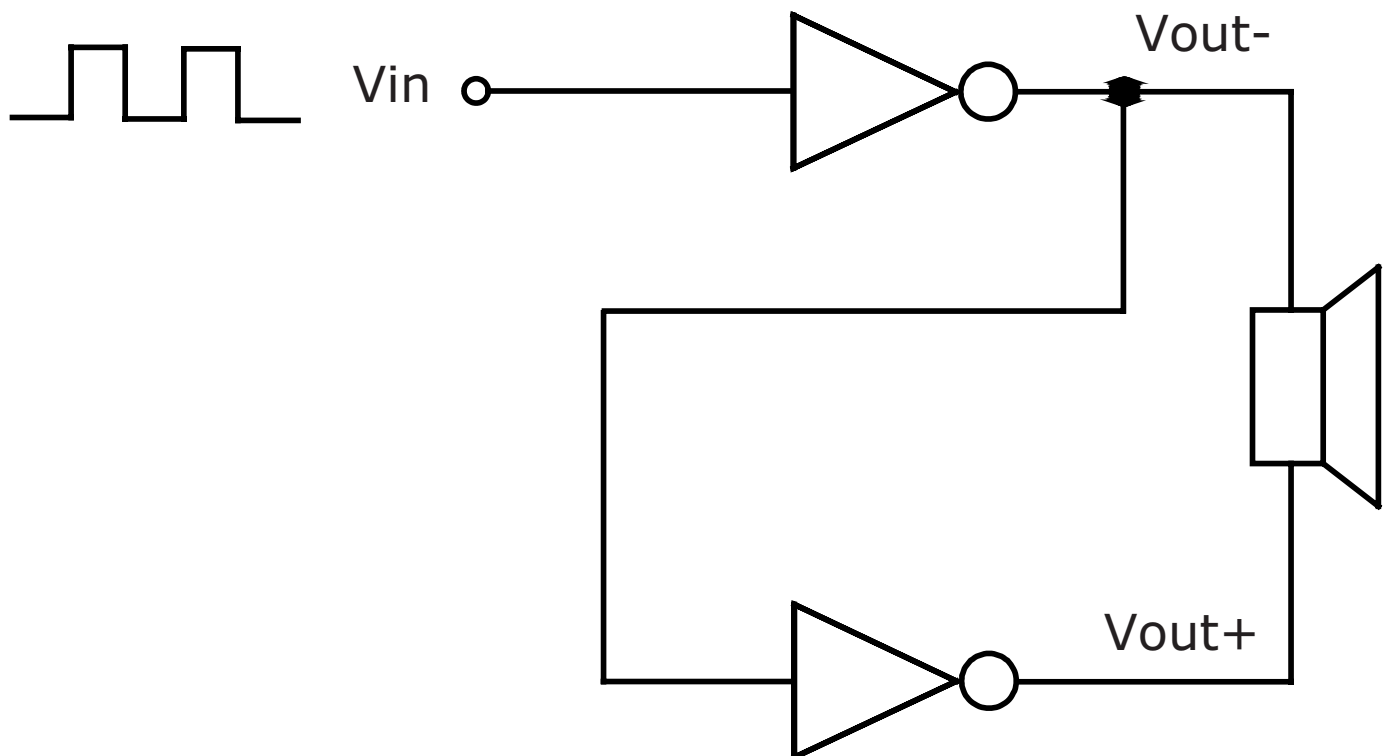
units: mm
tolerance: ± 0.3 mm



FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT



PACKAGING

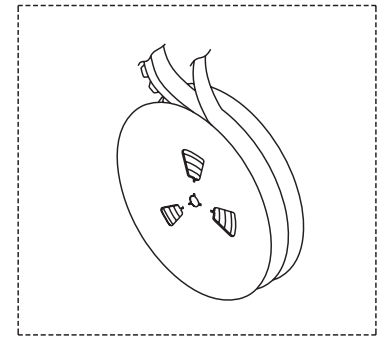
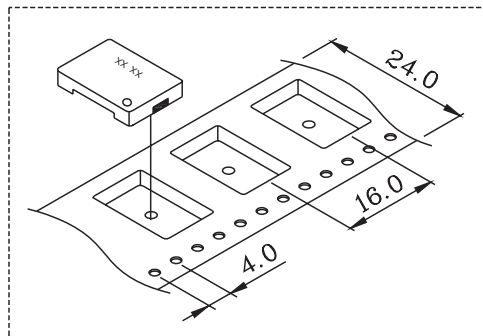
units: mm

Inner Carton Size: 340 x 340 x 35 mm

Carton Size: 350 x 355 x 195 mm

Inner Carton QTY: 1,000 pcs per reel

Carton QTY: 5,000 pcs per carton



Lot No.	XXXXXXXXXX
Part No.	XXXXXXXXXX XXXXXXXXXX
Quantity.	XXXX Pcs
Date:	DD MM YY
MADE IN CHINA	
CUI DEVICES	

RoHs Compliant

1 Reel: 1000 PCS

Inner Box
(1 Layer Reel)Carton Box
(5 Inner Box)

REVISION HISTORY

rev.	description	date
1.0	initial release	07/07/2021
1.01	logo, datasheet style update	08/05/2022

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.

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