CUDEVICES

MODEL: CPT-308-28-85T | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- 12 Vdc rated
- 70 dB
- continuous tone
- feedback pin

RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage			12		Vdc
operating voltage		5		28	Vdc
current consumption	at rated voltage			12	mA
rated frequency		700	1,200	1,700	Hz
sound pressure level	at 30 cm, rated voltage	70			dB
tone	continuous				
electrostatic capacitance	at 120 Hz, 1 V	35,000	50,000	65,000	pF
dimensions	Ø30.0 x 7.48				mm
weight				3.0	g
material	PBT+30% UL94V-0 (black)				
terminal	pin (tin plating)				
operating temperature		-30		85	°C
storage temperature		-30		85	°C
washable	no				
RoHS	yes				

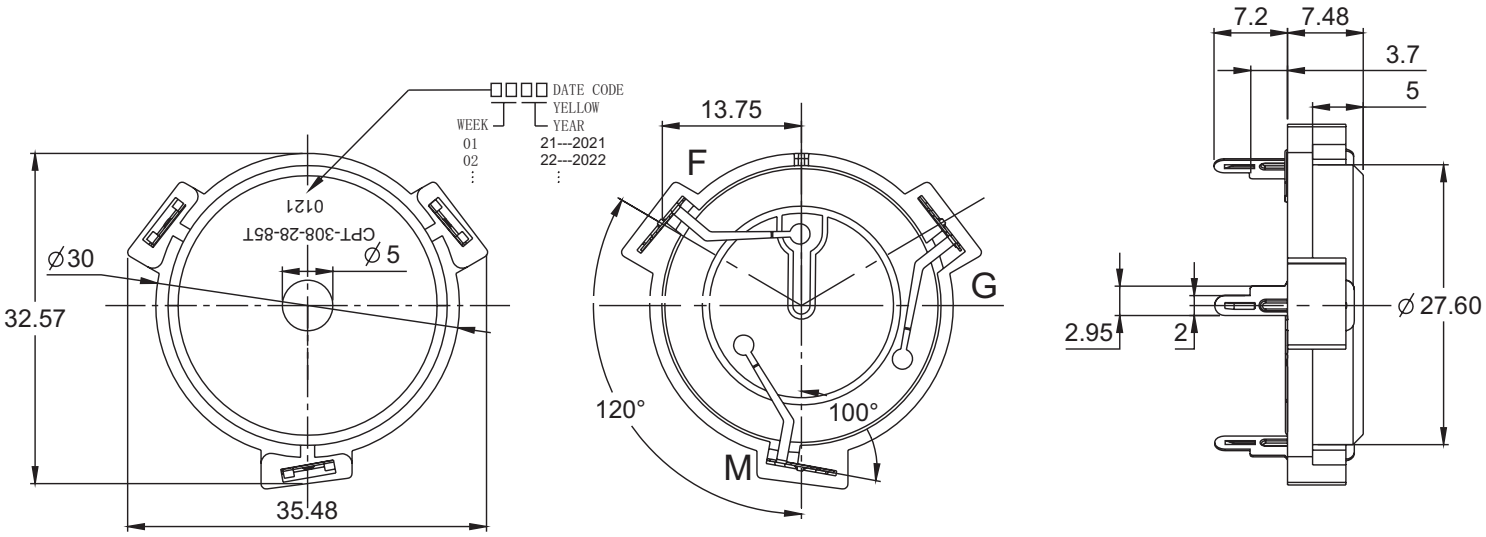
Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

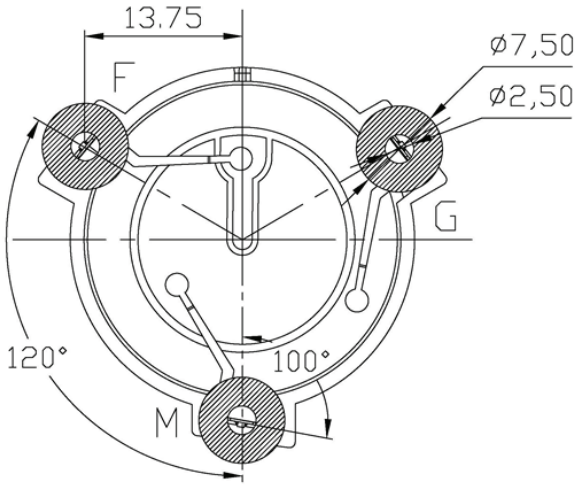
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 5 seconds	270		280	°C

MECHANICAL DRAWING

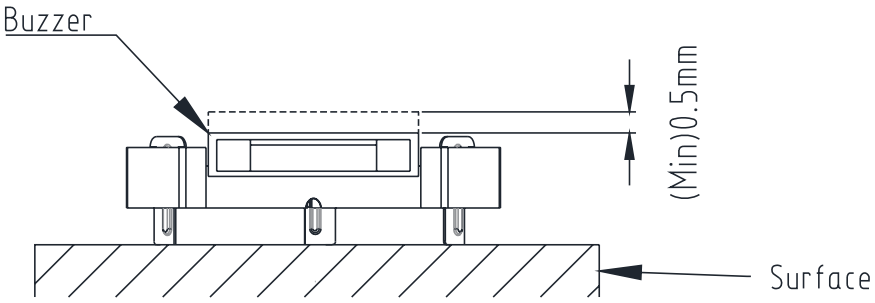
units: mm
tolerance: ±0.5 mm



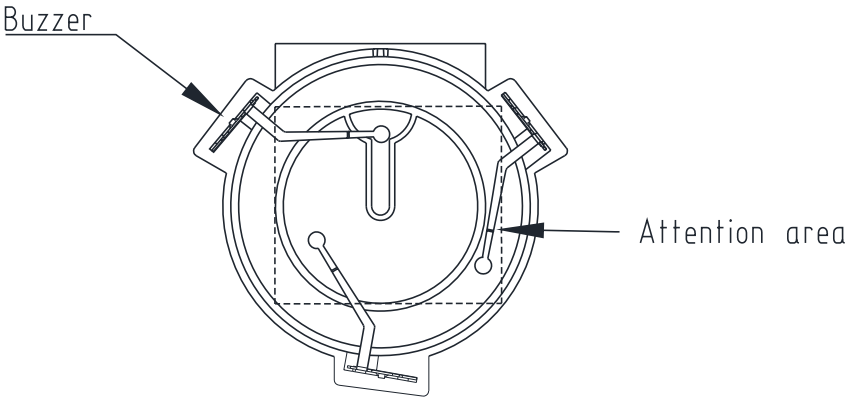


Recommended PCB Layout
Top View

INSTALLATION GUIDELINES



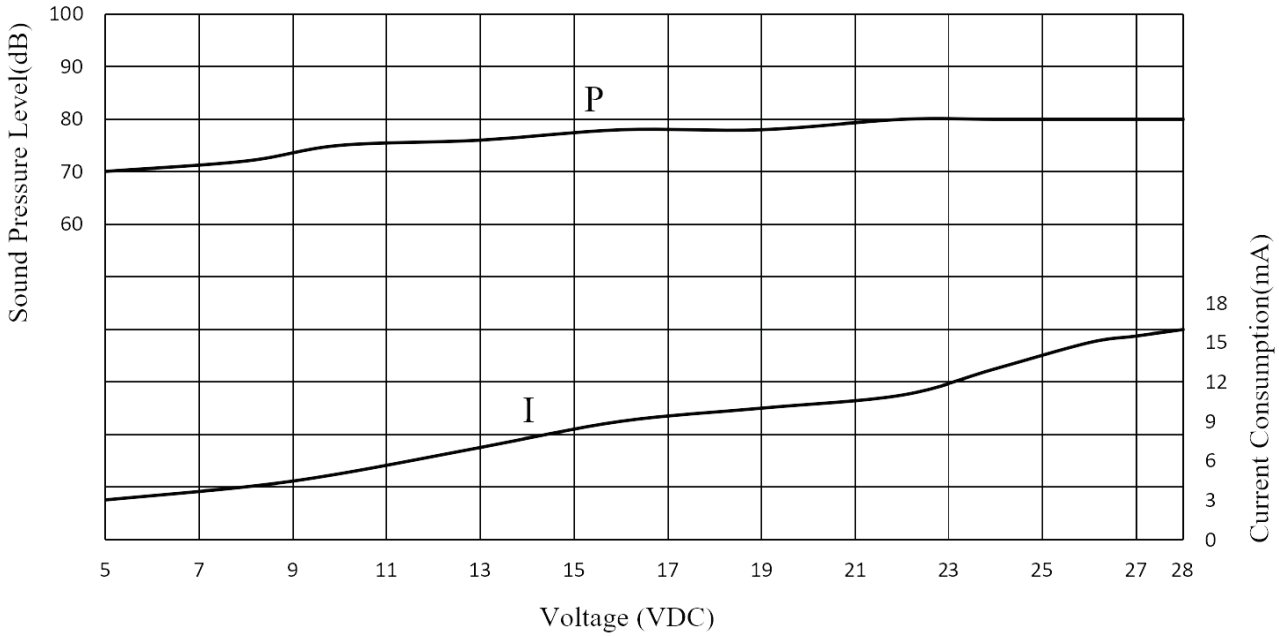
It's recommended reserve at least 0.5mm between the product and the surface. And the surface must not have any protrusions.



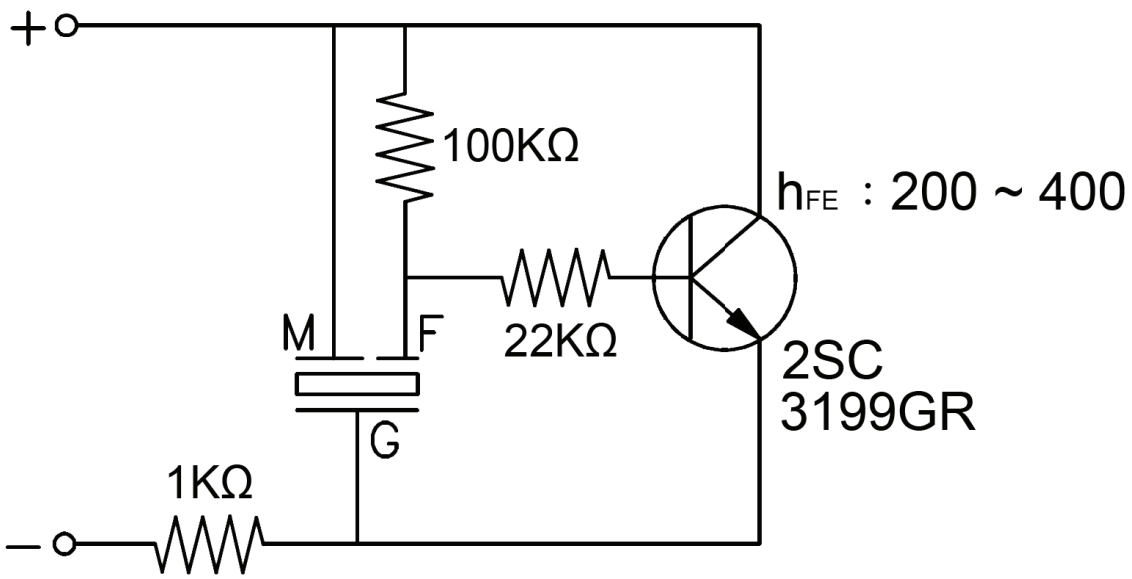
If buzzer's piezo side close to any potentially conductive surface, it is recommended that the product body surface (not piezo side) should add insulating tape to prevent short circuit conditions.

PERFORMANCE CURVES

P: Voltage vs. Sound Pressure Level
I: Voltage vs. Current Consumption
at 30 cm



DRIVING CIRCUIT

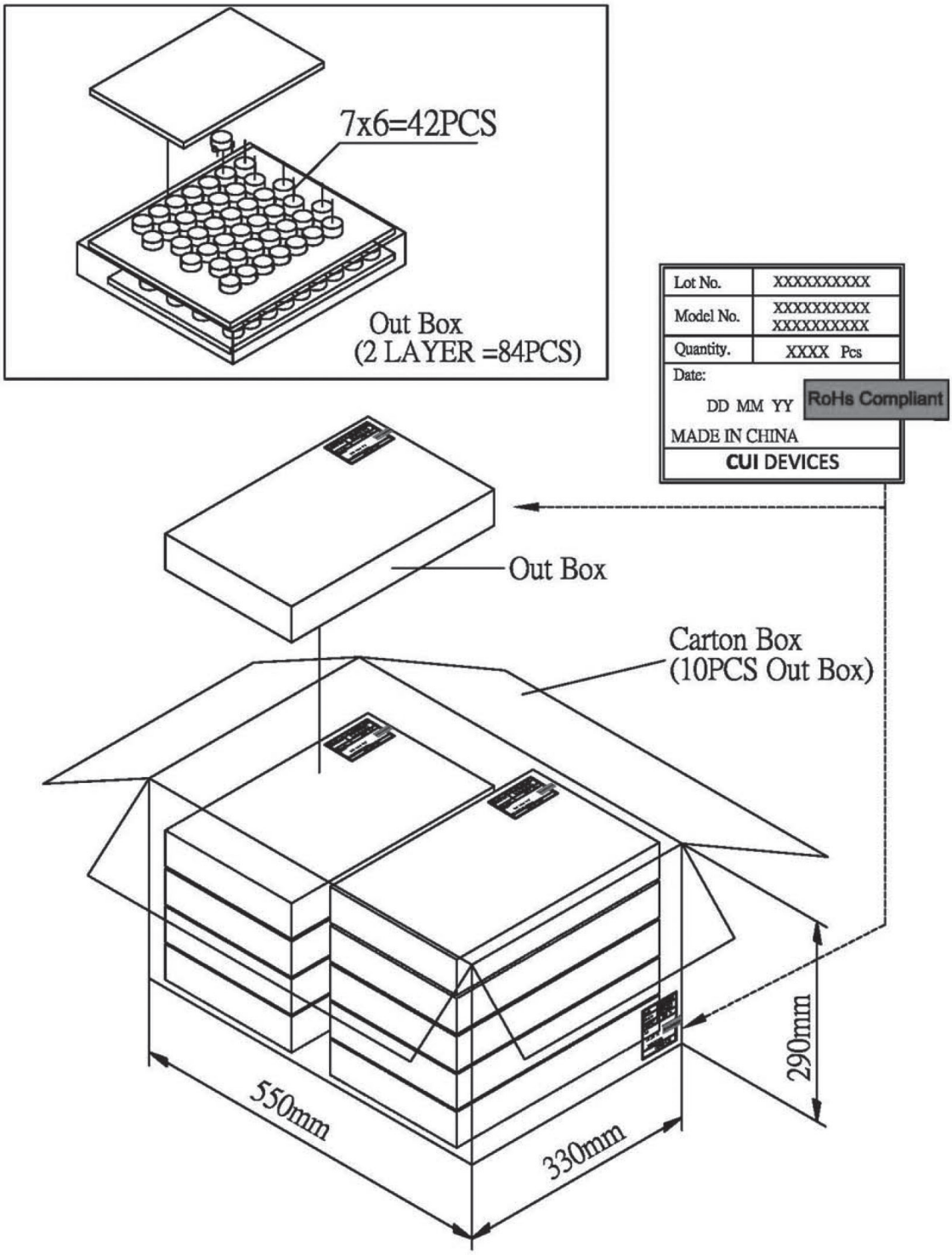


Notes: 1. The current consumption and the sound pressure level are measured by using the recommend driving circuit shown above.

PACKAGING

units: mm

Inner Box Size: 310 x 248 x 49 mm
Carton Size: 550 x 330 x 290 mm
Inner Box QTY: 84 pcs per box
Carton QTY: 840 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	11/24/2021
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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