CUDEVICES

MODEL: CPT-2207-95-SMT-TR | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

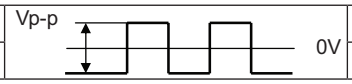
FEATURES

- externally driven
- continuous tone
- surface mount



RoHS

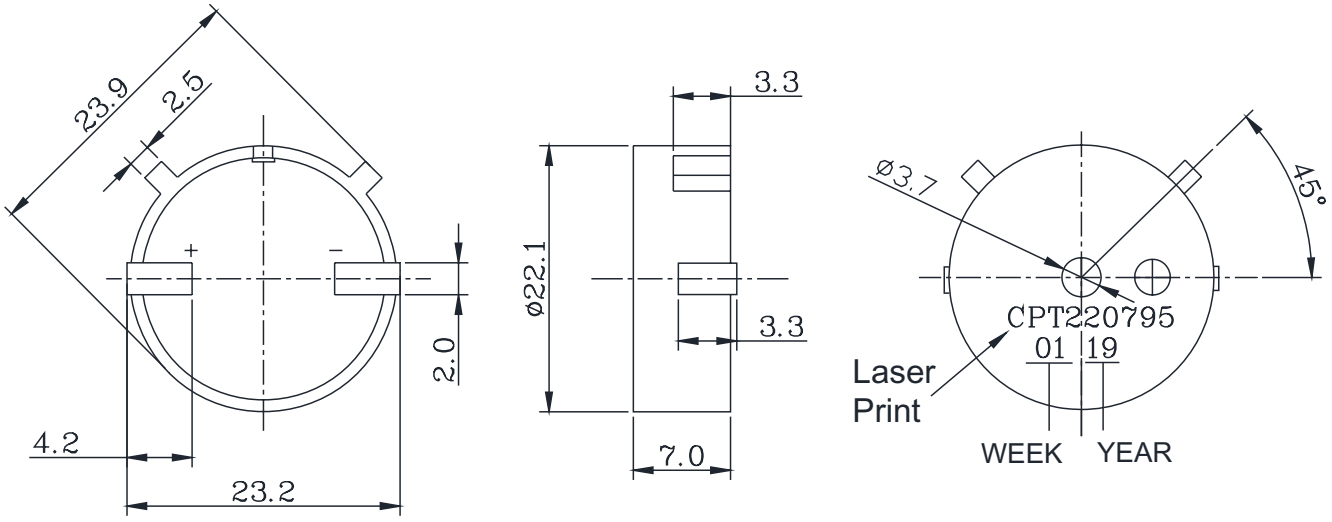
SPECIFICATIONS

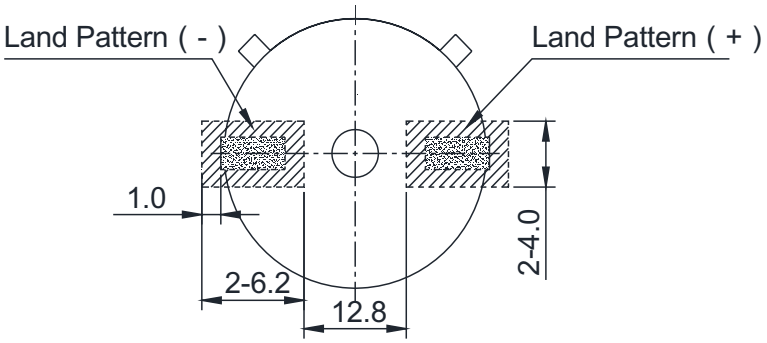
parameter	conditions/description	min	typ	max	units
rated voltage			12		Vp-p
operating voltage				30	Vp-p
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			12	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave	95			dB
electrostatic capacitance	at 100 Hz/1 V	16,800	24,000	31,200	pF
dimensions	Ø22.1 x 7.0				mm
weight				2.8	g
material	PPS				
terminal	surface mount (tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		90	°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.

MECHANICAL DRAWING

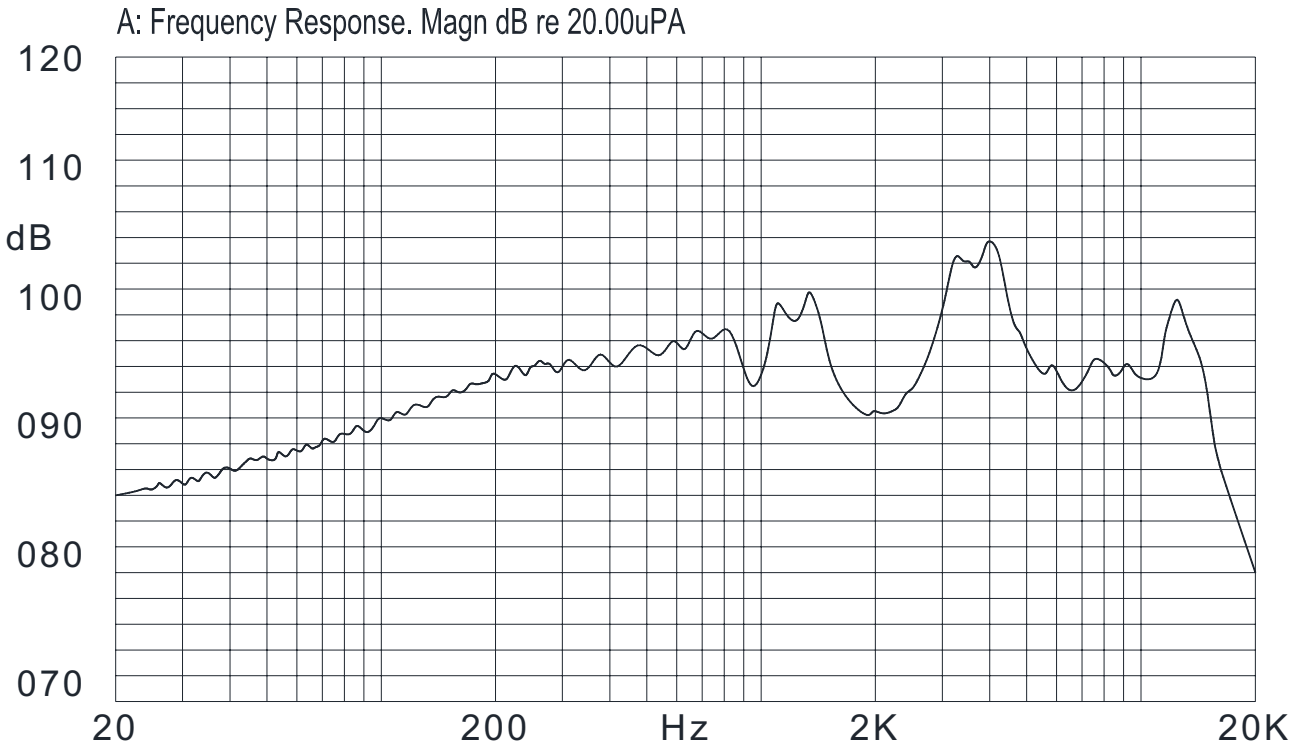
units: mm
tolerance: ±0.5 mm



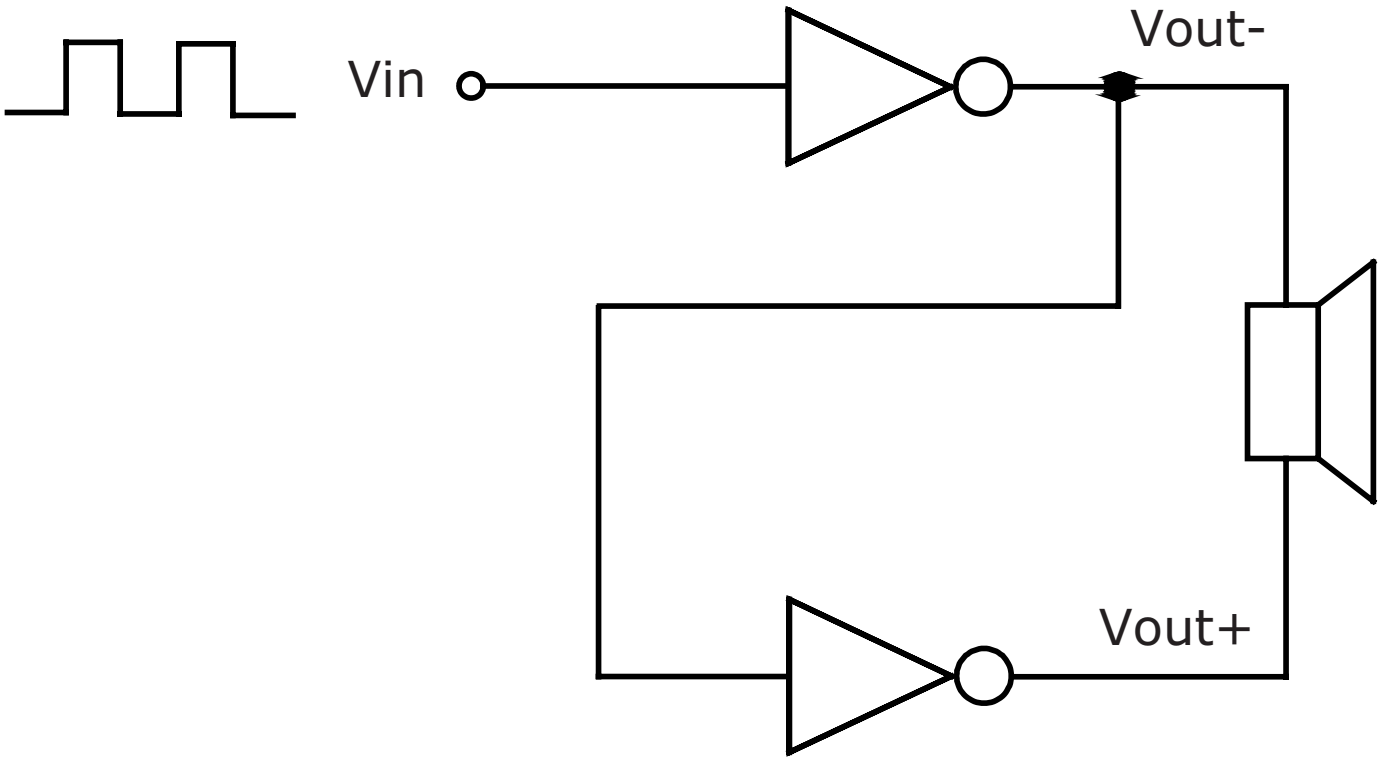


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



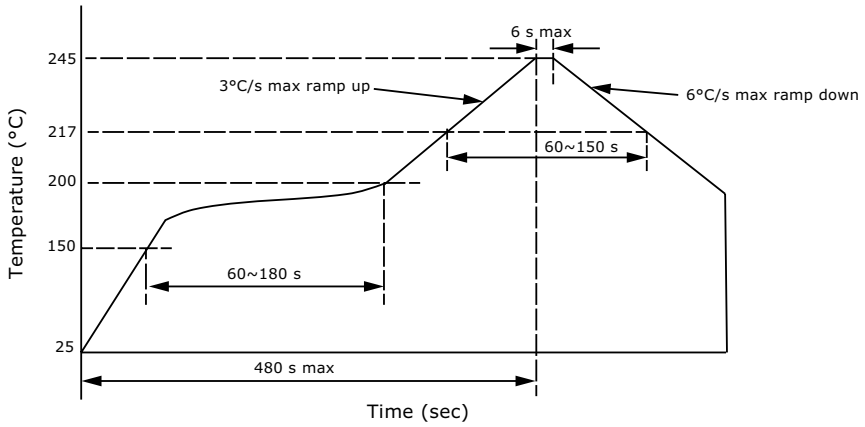
APPLICATION CIRCUIT



SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering[4]	as per IPC/JEDEC J-STD-020C		240	245	°C
drying conditions[5]	bake at 40°C for 24 hours				

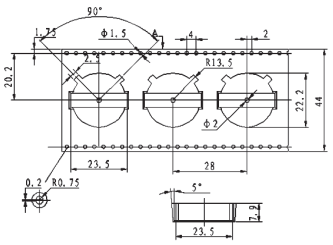
Note: 2. Not suitable for wash process.
3. It is recommended to reflow solder only once.
4. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
5. When out of packaging for more than 48 hours.

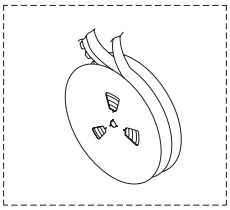


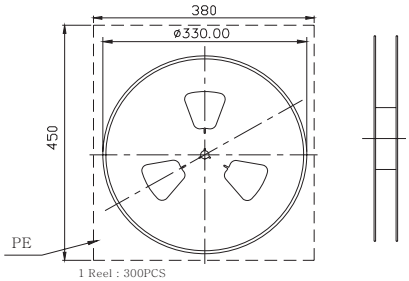
PACKAGING

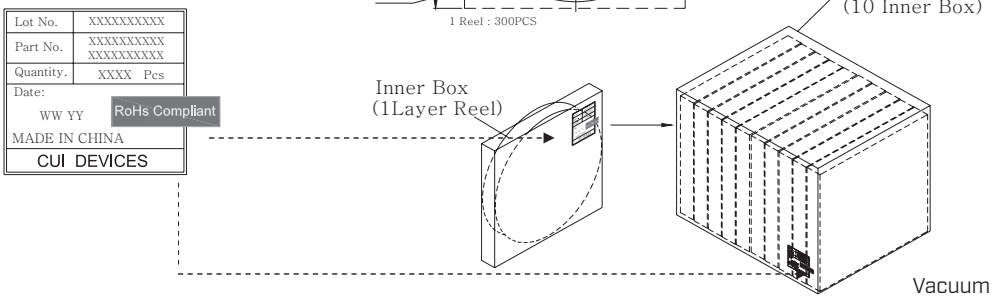
parameter	conditions/description	min	typ	max	units
reel storage[6]	at relative humidity 15~85%	-10		40	°C
reel QTY	300				
carton QTY	3,000				

Note: 6. Recommended storage period no more than 6 months. Floor life (out of bag) use immediately.









REVISION HISTORY

rev.	description	date
1.0	initial release	12/12/2019
1.01	updated packaging	01/08/2020
1.02	updated packaging	10/06/2020
1.03	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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