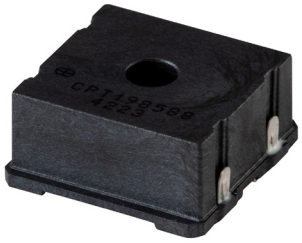
CUDEVICES

MODEL: CPT-1985-88-SMT-TR | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

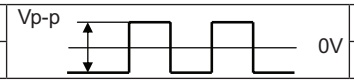
FEATURES

- piezo
- 88 dB @ 0.1 m
- tape & reel



RoHS

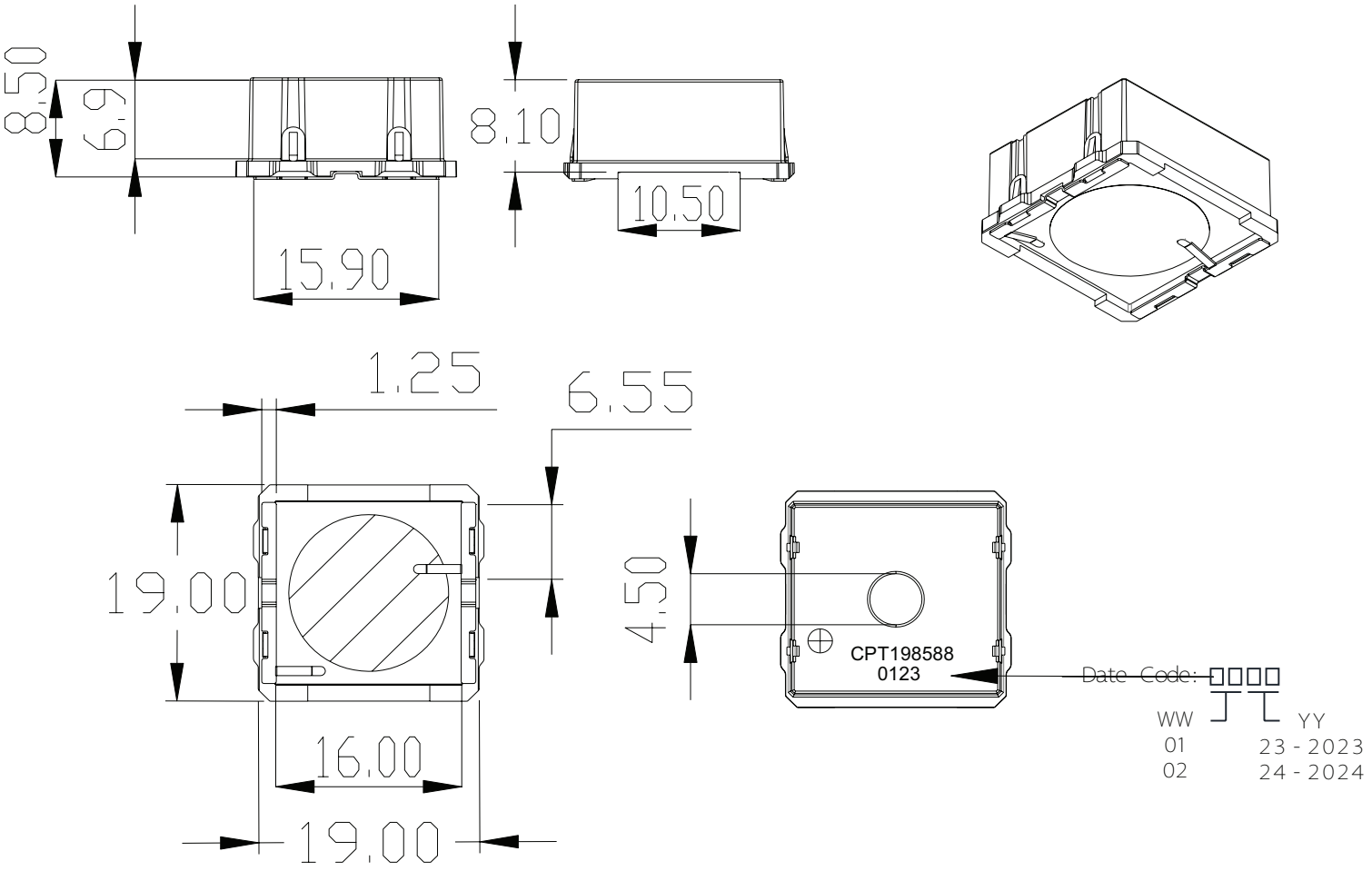
SPECIFICATIONS

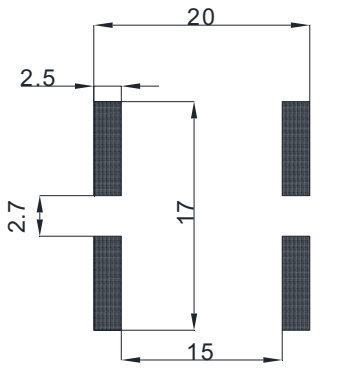
parameter	conditions/description	min	typ	max	units
rated voltage			12		Vp-p
operating voltage				18	Vp-p
current consumption	at rated voltage, 2,000 Hz, ½ duty square wave			38	mA
rated frequency			2,000		Hz
sound pressure level	at 10 cm, rated voltage, 2,000 Hz, square wave	88			dB
electrostatic capacitance	at 100 Hz, 1 V	24,500	35,000	45,500	pF
dimensions	19 x 19 x 8.5				mm
weight				2.0	g
material	LCP (black)				
terminal	surface mount (tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°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

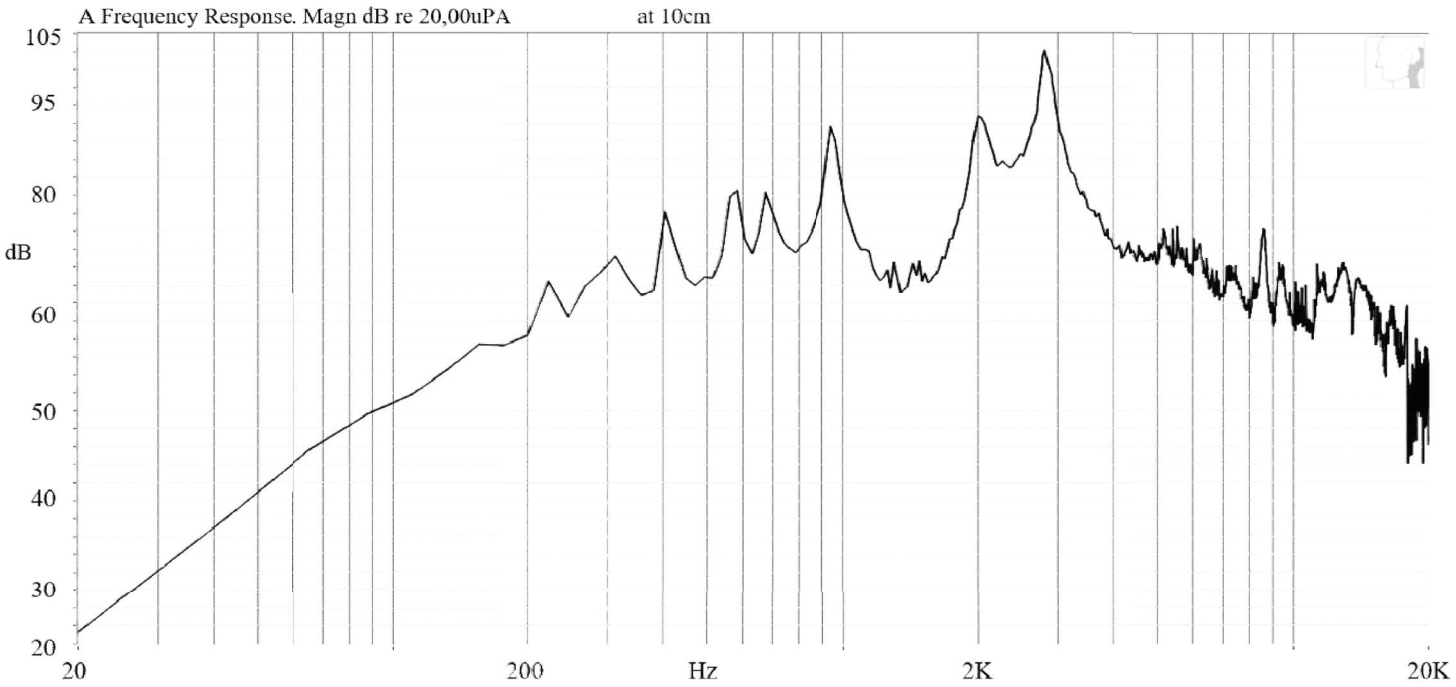
units: mm
tolerance: ±0.5 mm





Recommended PCB Layout
Top View

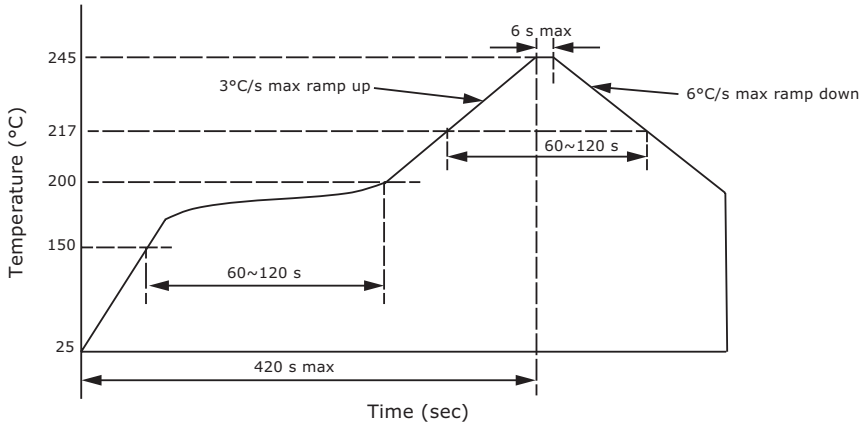
FREQUENCY RESPONSE CURVE



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				

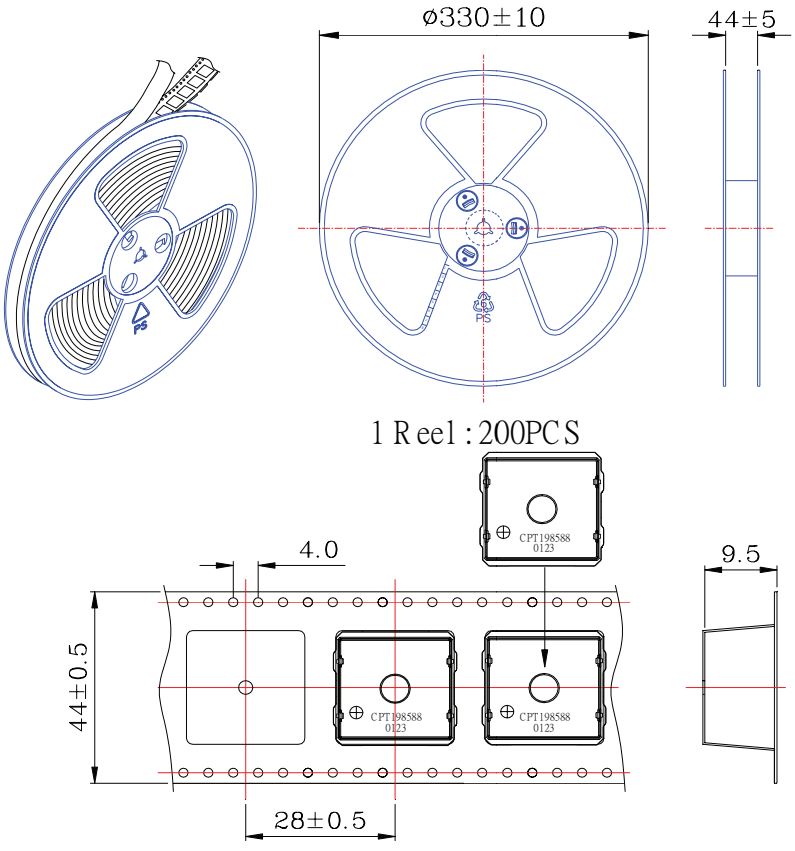
Note:
2. Not suitable for wash process.
3. It is recommended to reflow solder only once.
4. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
5. When out of packaging for more than 48 hours.



PACKAGING

parameter	conditions/description	min	typ	max	units
reel storage[6]	at relative humidity 15~85%	-10		40	°C
MSL	Class 5				
reel QTY	200				
carton QTY	1,000				

Note:
6. Recommended floor life (out of sealed bag) at <30°C, 60%RH is 48 hours.



REVISION HISTORY

rev.	description	date
1.0	initial release	12/19/2023

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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CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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