CUDEVICES

MODEL: CPT-147-85T | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

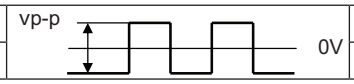
FEATURES

- 10 Vp-p
- 85 dB
- through hole



RoHS

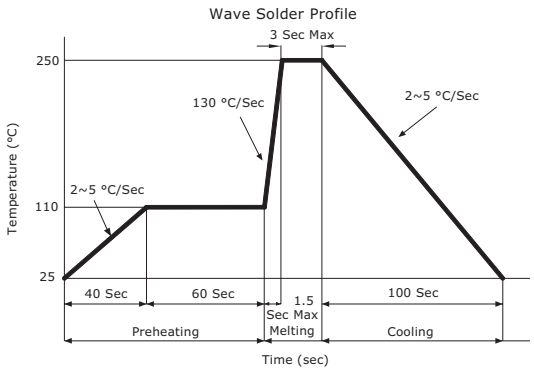
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage			10		Vp-p
operating voltage				20	Vp-p
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			7	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave	85			dB
electrostatic capacitance	at 1.0 V, 120 Hz	9,100	13,000	16,900	pF
dimensions	Ø14.0 x 7.0				mm
weight			1.0		g
material	PBT				
terminal	pins (tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	yes				
RoHS	yes				

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

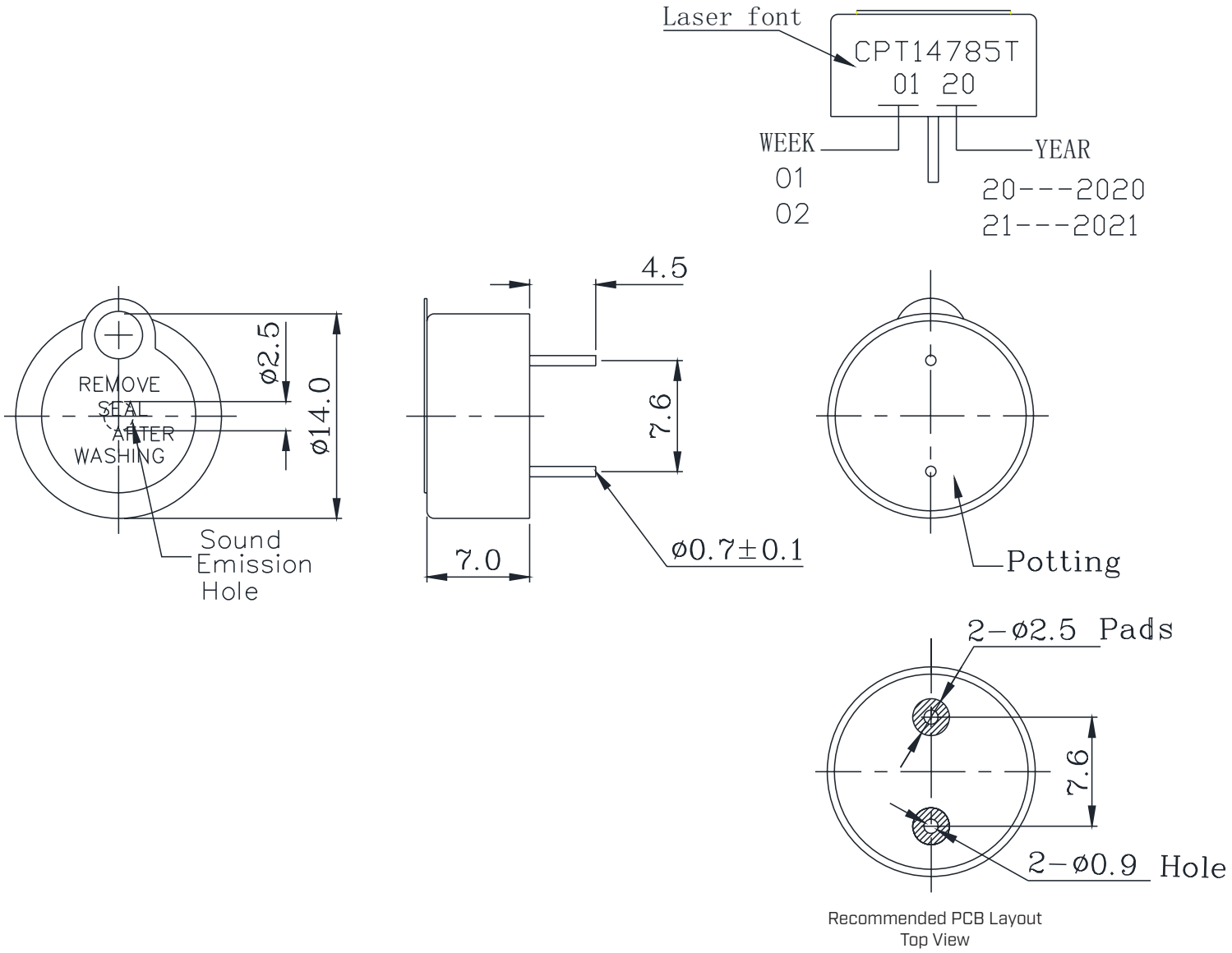
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	maximum 2 seconds	330		380	°C
wave soldering	see recommended wave soldering profile			250	°C



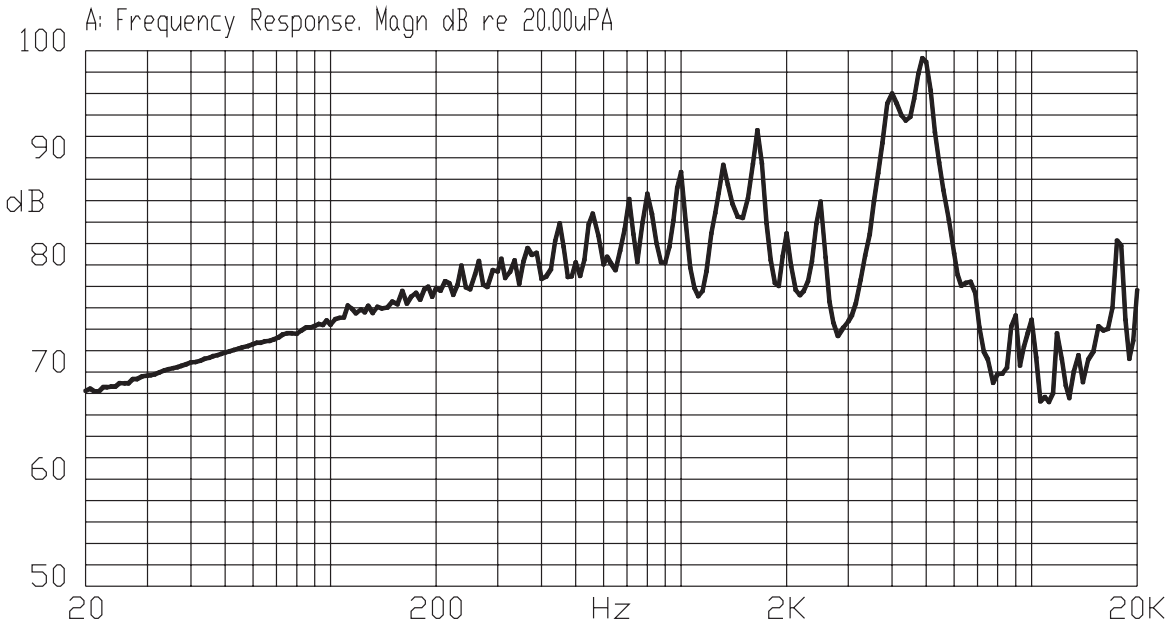
MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

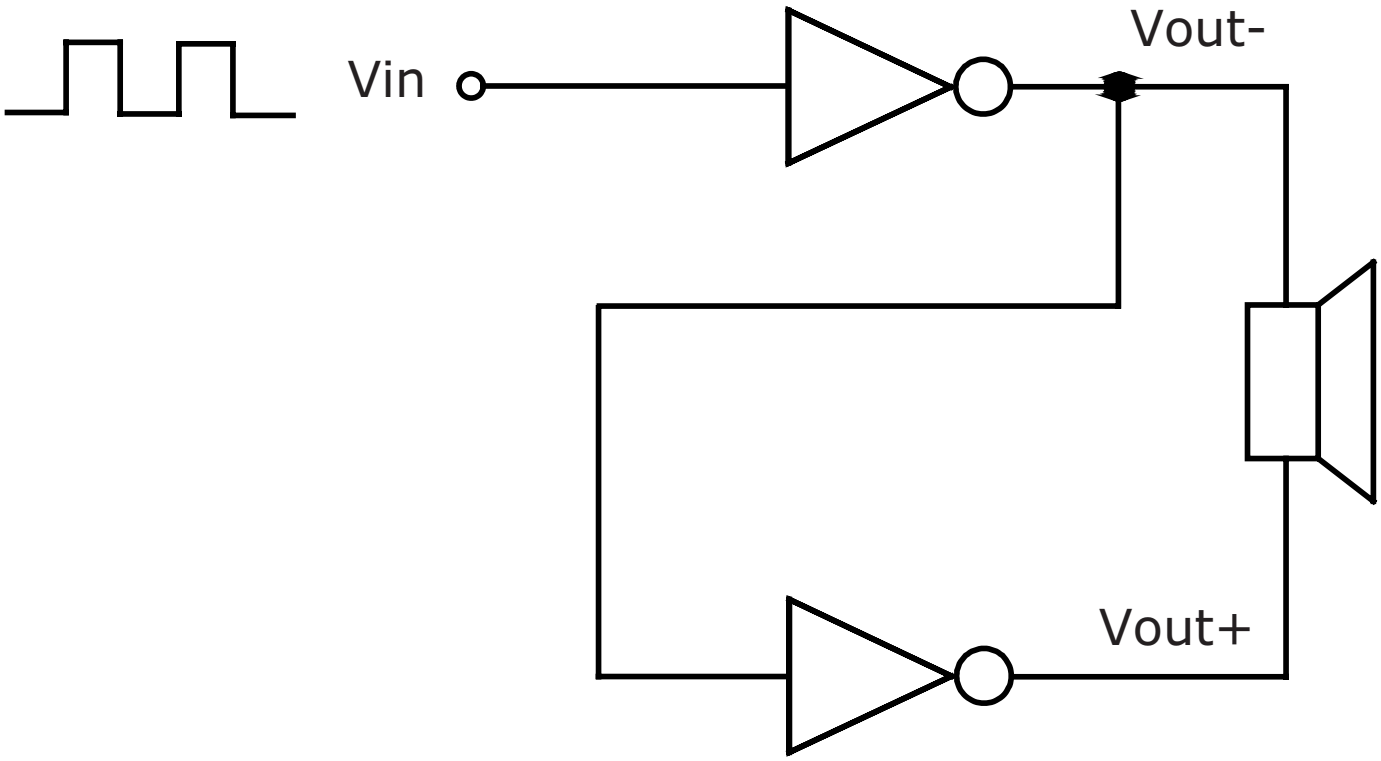


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



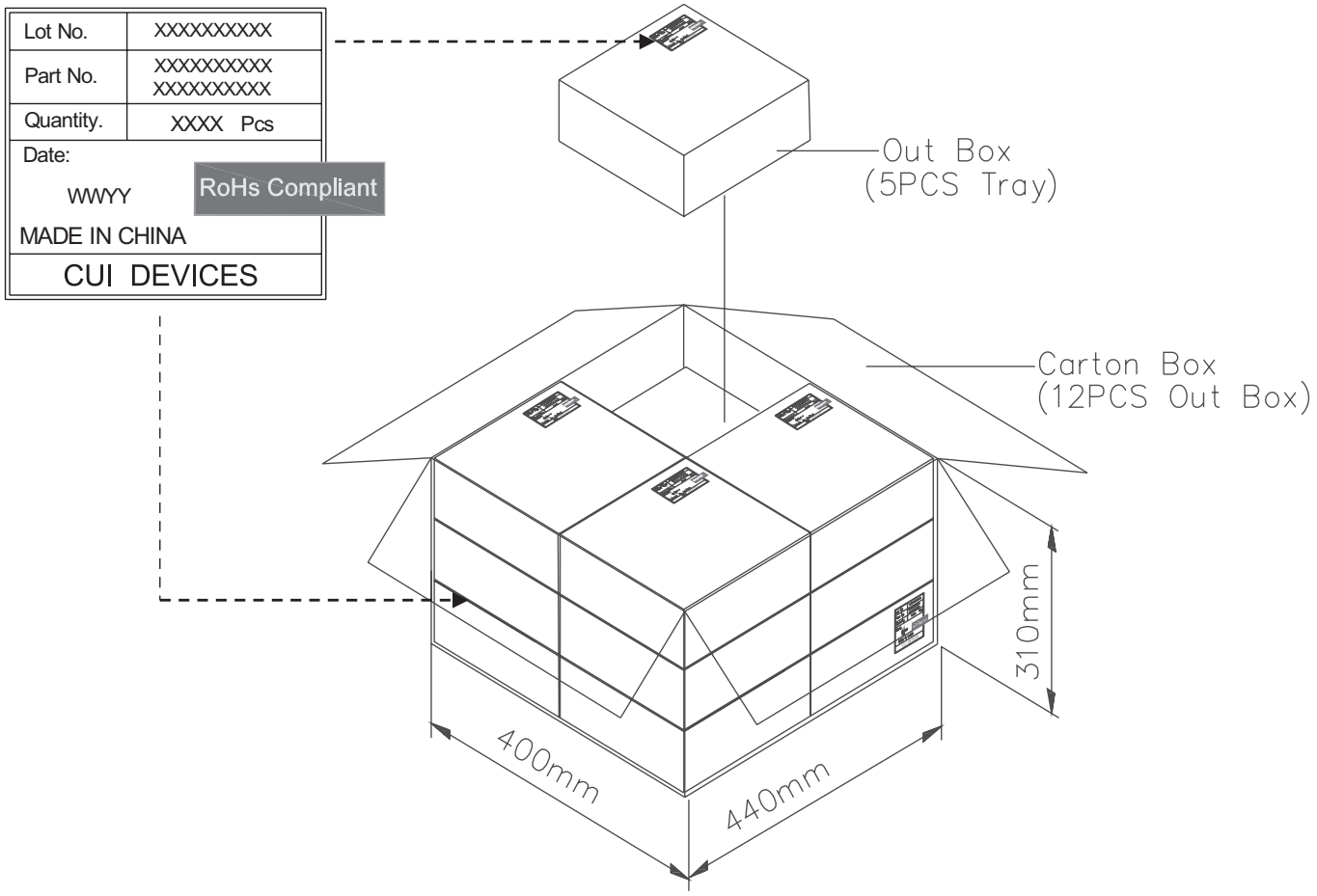
APPLICATION CIRCUIT



PACKAGING

units: mm

Tray Size: 184 x 180 x 23 mm
Carton Size: 440 x 400 x 310 mm
Tray QTY: 100 pcs per tray
Carton QTY: 6,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	09/15/2020
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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