CUDEVICES

MODEL: CPE-1785 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- piezo transducer with pin mount
- 85 dB SPL
- 4,000 Hz rated frequency



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
operating voltage			2	30	Vp-p
current consumption	at 10 Vp-p, 4,000 Hz square wave			10	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, 10V p-p, 4,000 Hz square wave	85			dB
electrostatic capacity	at 1 kHz/1 V	9,100	14,000	18,900	pF
dimensions	Ø17.0 x 7.0				mm
weight				1.5	g
material	PBT (black)				
terminal	pin type (Sn plating)				
operating temperature		-30		80	°C
storage temperature		-35		85	°C
RoHS	yes				

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

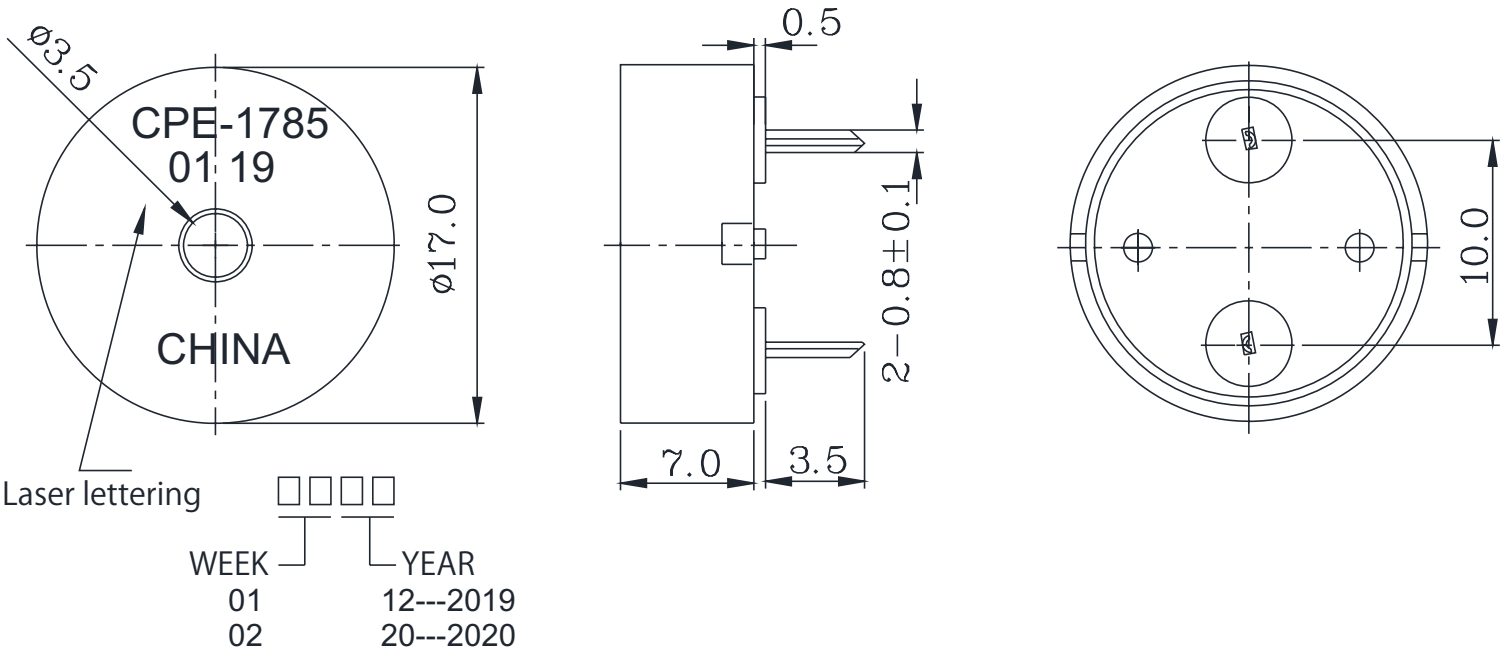
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering[2]	for maximum 2 seconds	330		380	°C

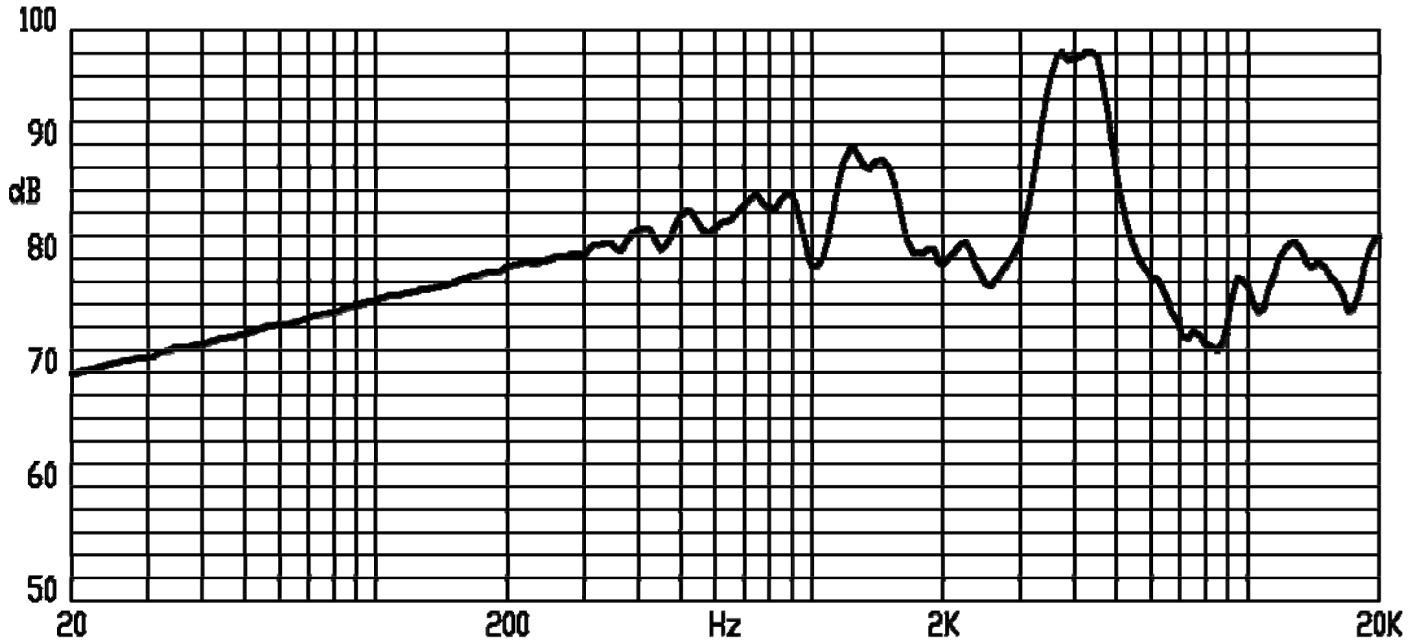
Notes: 2. Not recommended for wave soldering

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



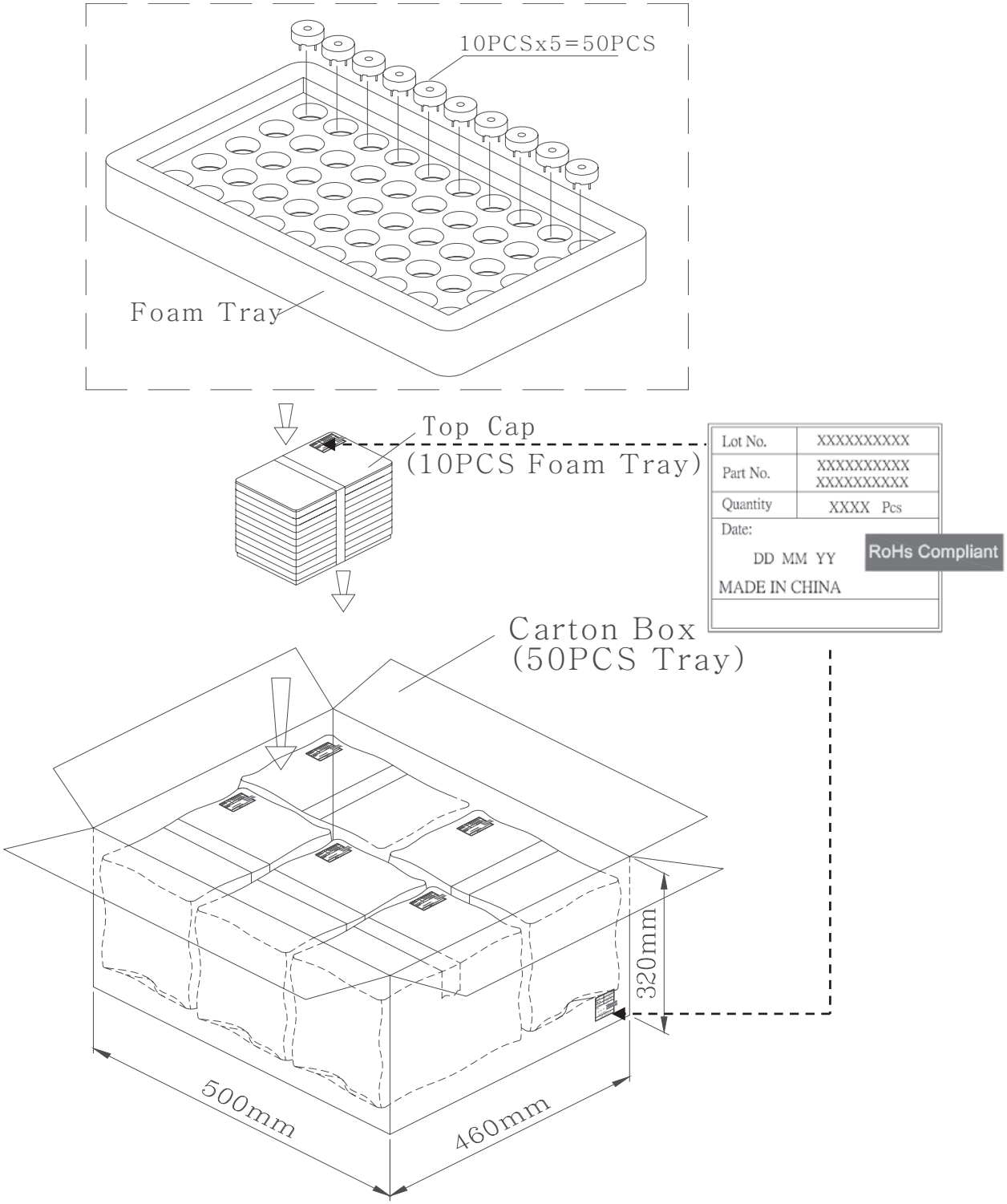
FREQUENCY RESPONSE CURVE



PACKAGING

units: mm

Tray Size: 230 x 150 x 35 mm
Carton Size: 500 x 460 x 320 mm
Tray QTY: 50 pcs per tray
Carton QTY: 2,500 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	09/01/2010
1.01	brand update	03/13/2020
1.02	changed housing	04/09/2020
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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