CUDEVICES

MODEL: CPT-1255C-090 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- externally driven
- wave solderable
- through hole



RoHS

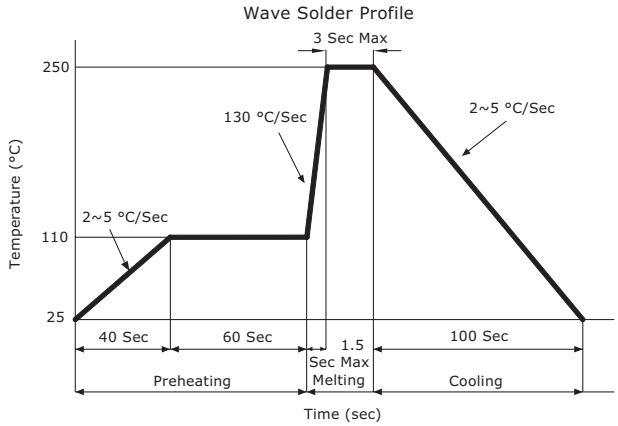
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
operating voltage		1		20	Vp-p
current consumption	at 9 Vp-p, 4,000 Hz square wave			7	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, 3 Vp-p, 4,000 Hz square wave at 10 cm, 9 Vp-p, 4,000 Hz square wave	70 85			dB dB
electrostatic capacity	at 120 Hz/1 V	8,400	12,000	15,600	pF
dimensions	Ø12.0 x 5.5				mm
weight				1.5	g
material	PBT				
terminal	pin type (Sn plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
RoHS	yes				

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

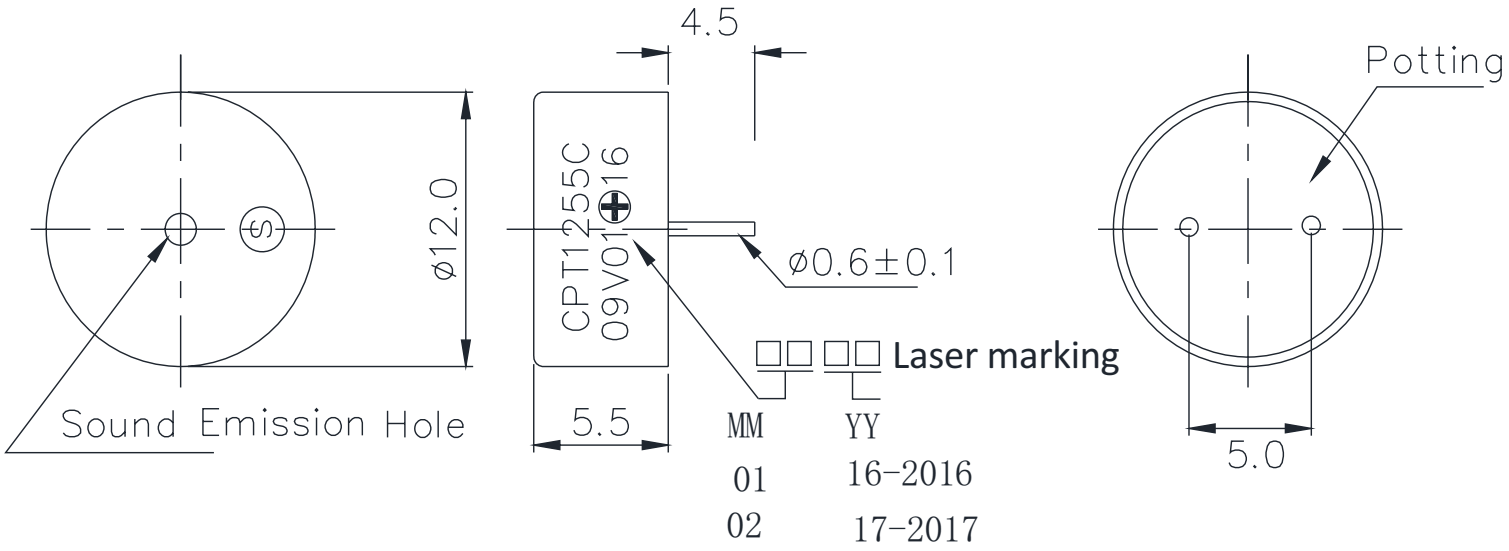
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	see recommended wave soldering profile			250	°C

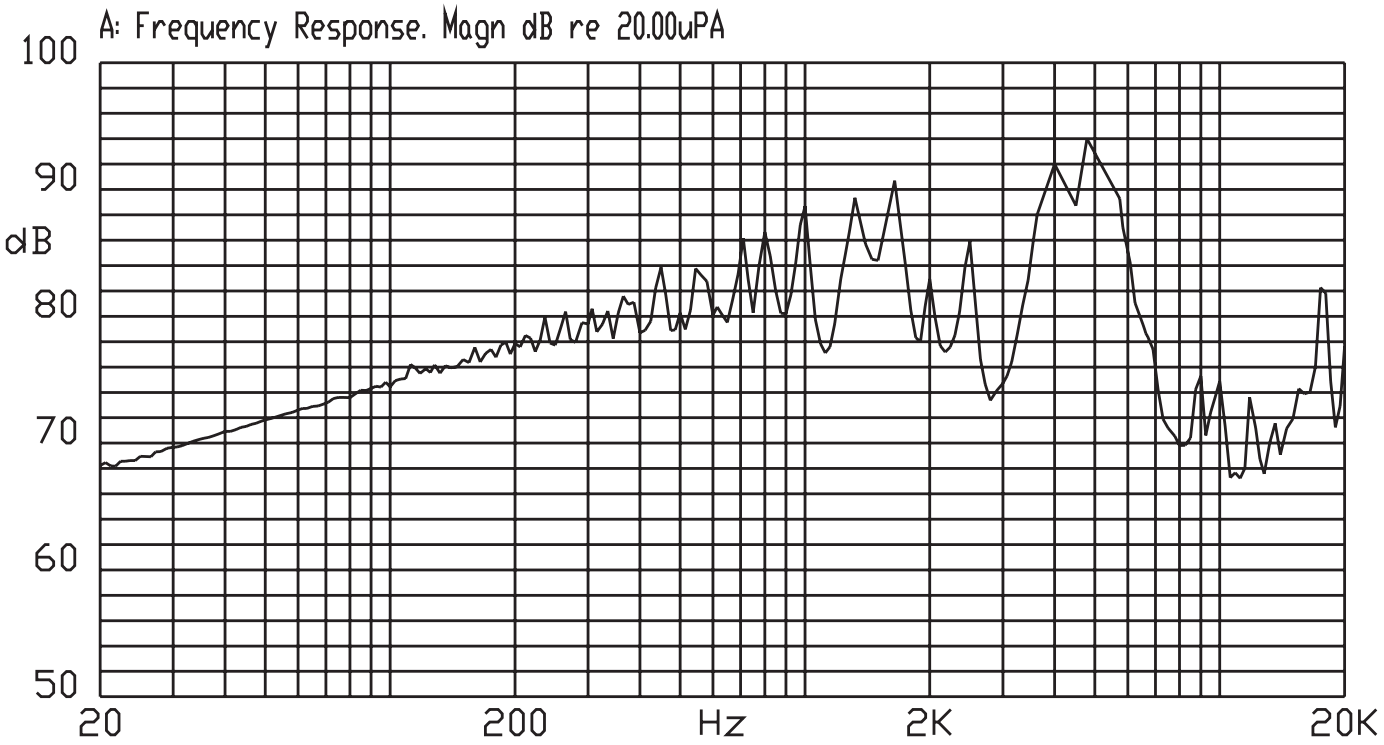


MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



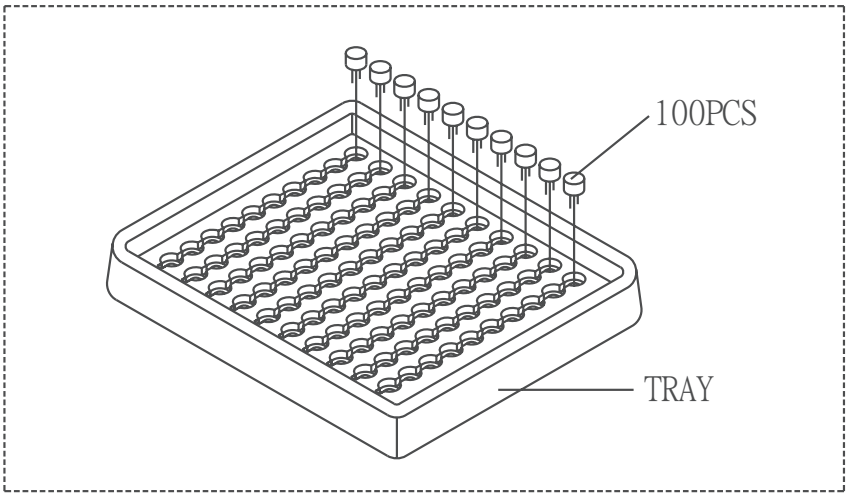
FREQUENCY RESPONSE CURVE



PACKAGING

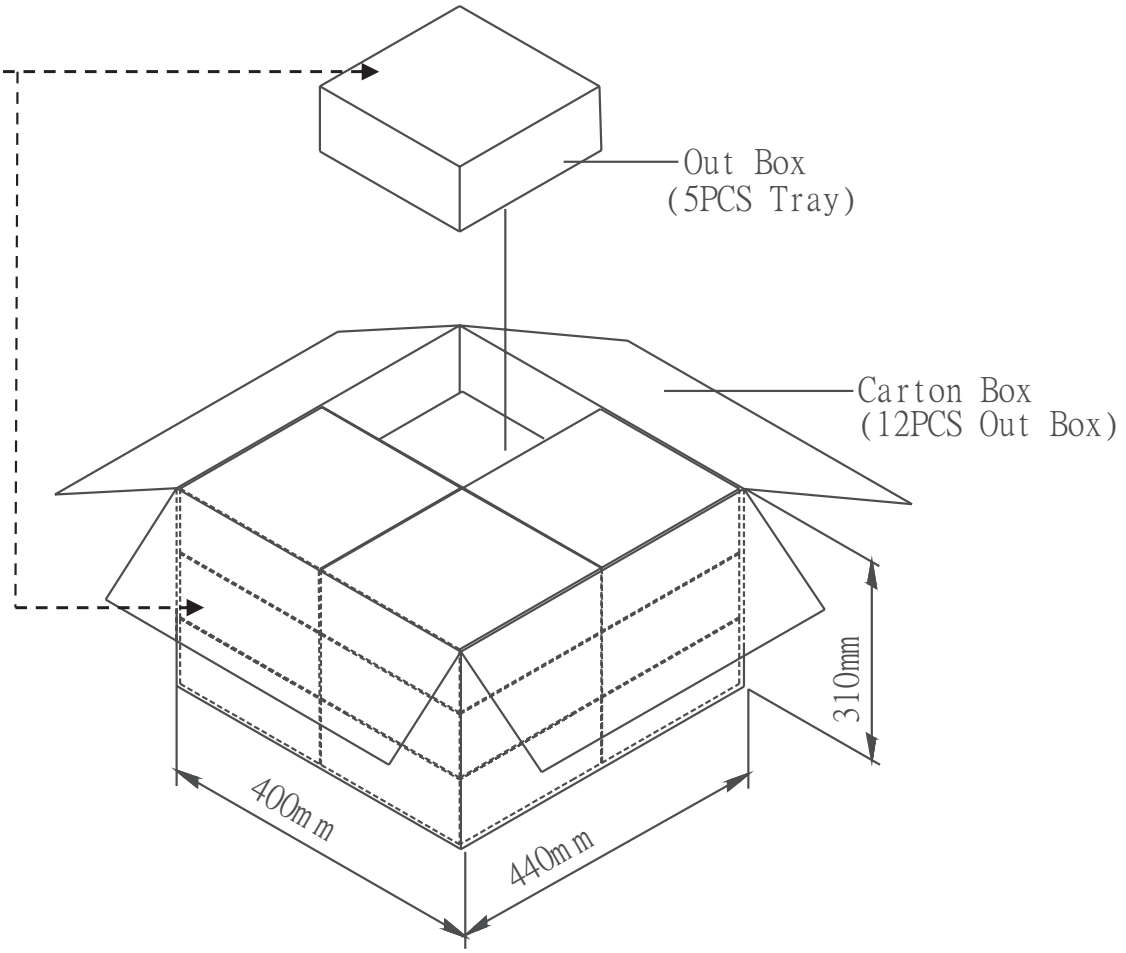
units: mm

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



Lot No.	XXXXXXXXXX
Model No.	XXXXXXXXXX
Quantity.	XXXX Pcs
Date: DD MM YY G MADE IN CHINA	

The label is placed on the inner boxes and outer carton.



REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2016
1.01	updated temperature rating	04/08/2019
1.02	brand update	11/22/2019
1.03	logo, datasheet style update	08/05/2022
1.04	changed to laser etching	05/13/2024

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.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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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