CUI Devices is now Same Sky! Learn More

MODEL: CPT-1206-3TH-T | DESCRIPTION: PIEZO BUZZER TRANSDUCER

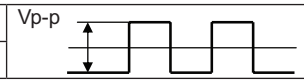
FEATURES

- no driving circuit
- piezo
- through hole



RoHS

SPECIFICATIONS

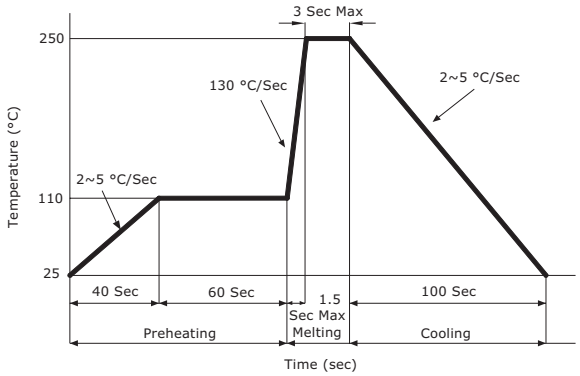
parameter	conditions/description	min	typ	max	units
rated voltage			3		Vp-p
operating voltage		2		30	Vp-p
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			5	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave	78			dB
electrostatic capacitance	at 100 Hz/1 V	9,100	13,000	16,900	pF
dimensions	Ø12.4 x 6.8				mm
weight			0.8		g
material	PBT (black)				
terminal	pin (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.

SOLDERABILITY

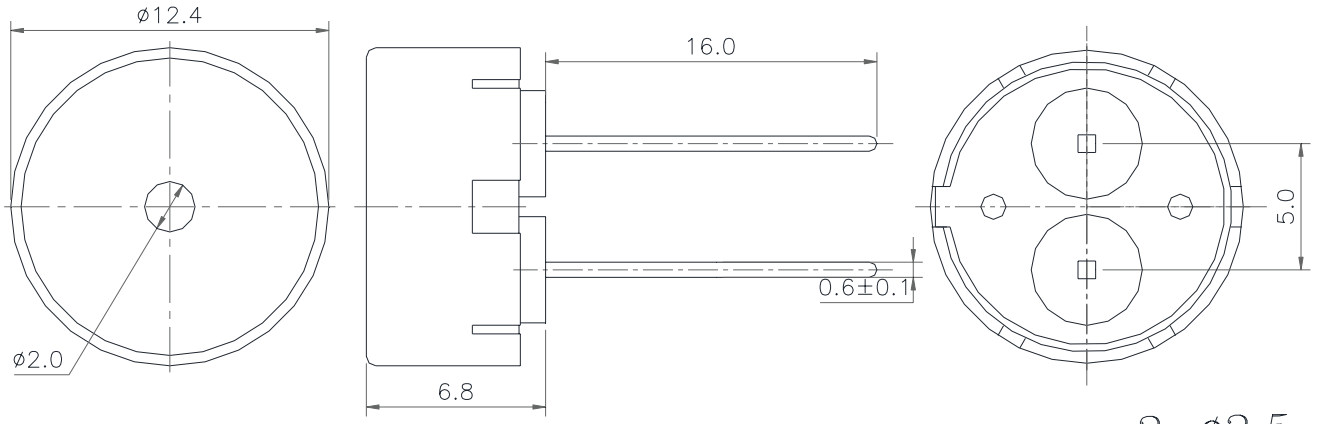
parameter	conditions/description	min	typ	max	units
hand soldering	for max 3 seconds	330		360	°C
wave soldering[2]	see recommended wave soldering profile		250		°C

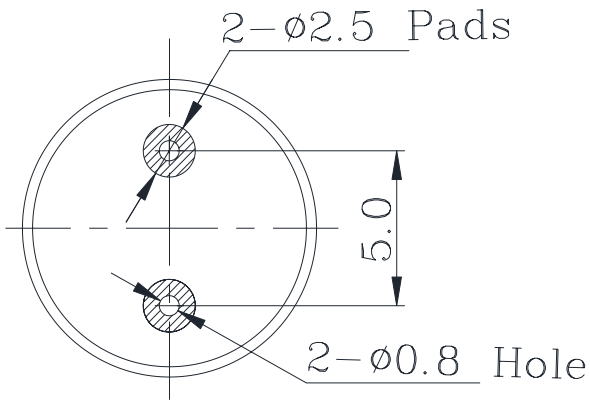
Notes: 2. Not to exceed 1 wave soldering cycle.



MECHANICAL DRAWING

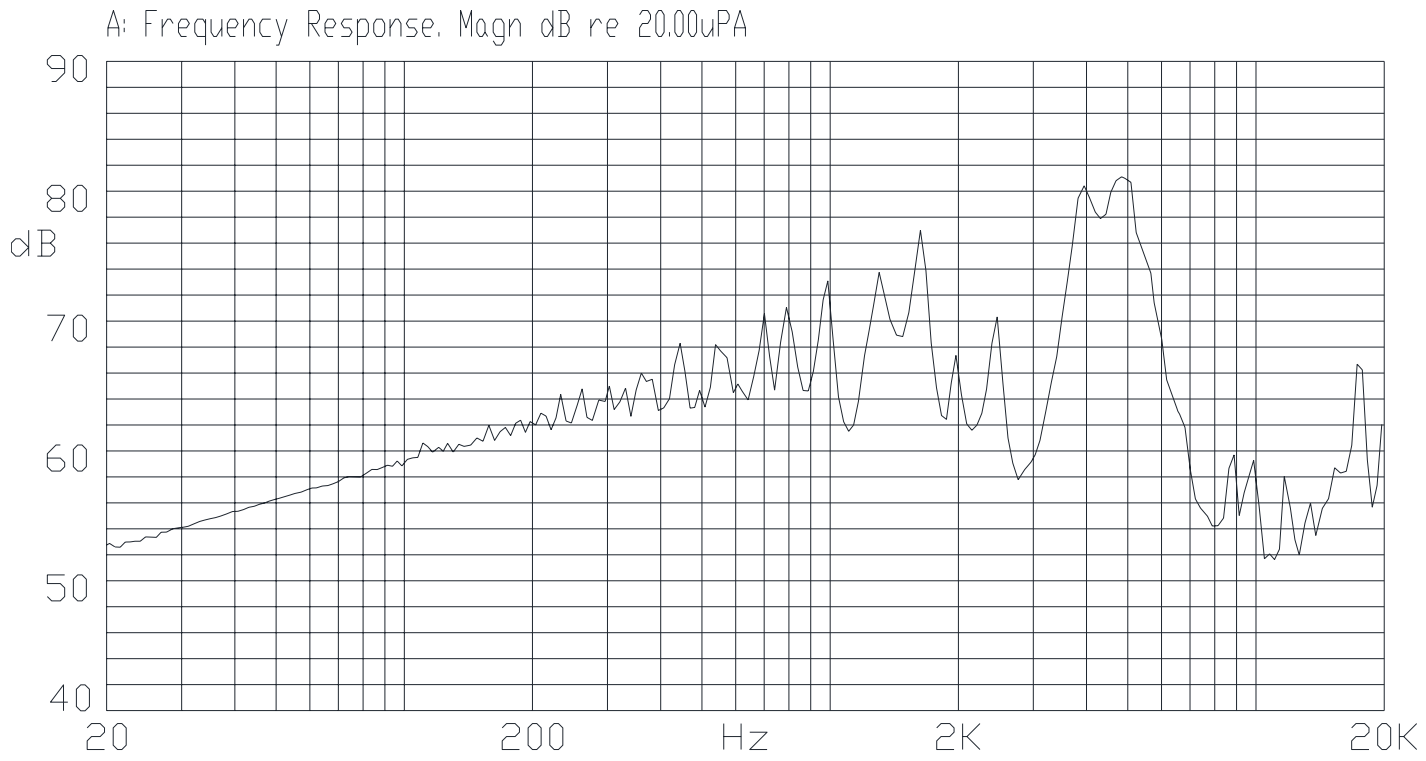
units: mm
tolerance: ±0.5 mm





Reccommended PCB Layout
Top View

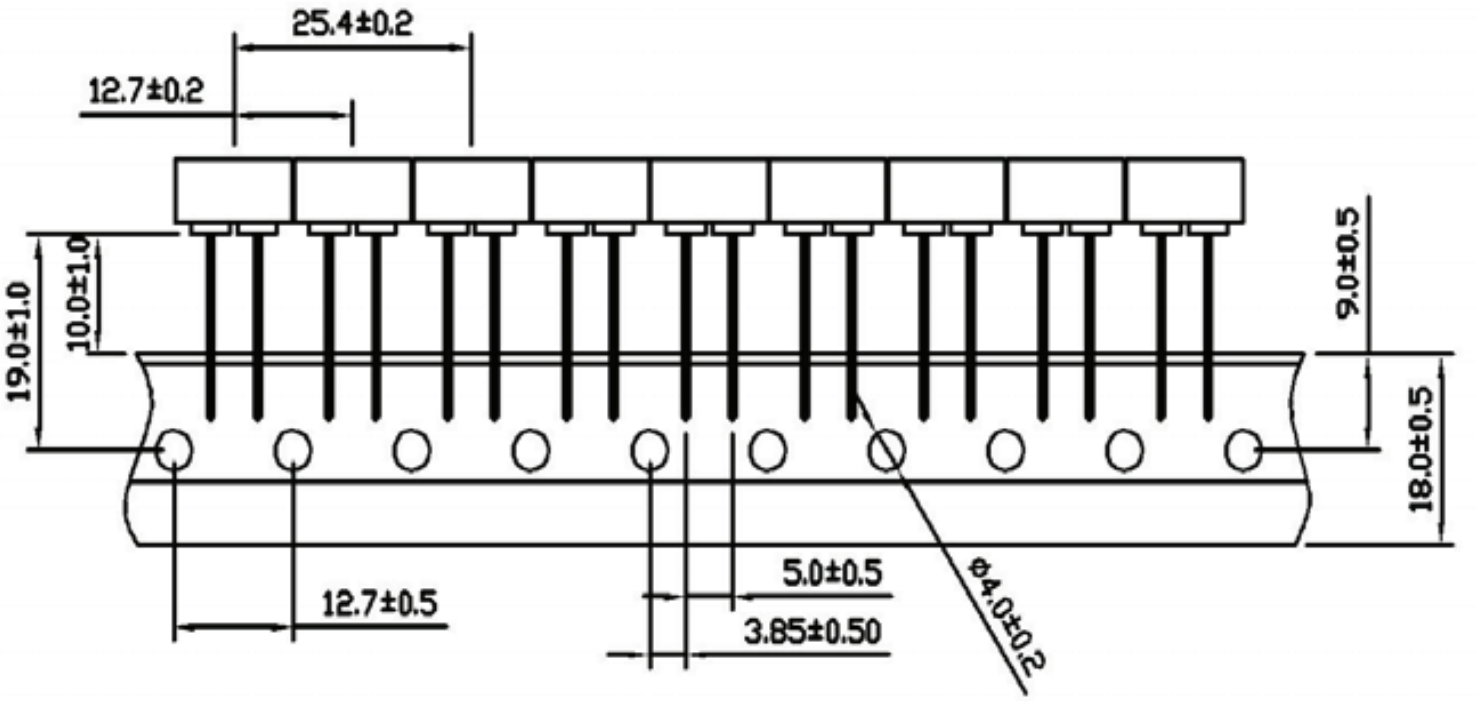
FREQUENCY RESPONSE CURVE



PACKAGING

units: mm

Tape QTY: 500 pcs
Carton Size: 610 x 350 x 280 mm
Carton QTY: 5,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	07/22/2025

The revision history provided is for informational purposes only and is believed to be accurate.

same sky

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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

Same Sky 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.

sameskydevices.com