MODEL: CPE-502 | DESCRIPTION: PIEZO BUZZER TRANSDUCER

FEATURES

- piezo transducer
- right-angle mount
- wide operating temperature

RoHS

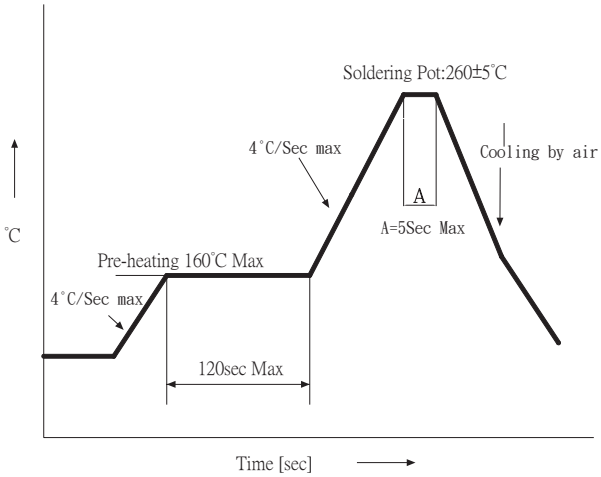
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
operating voltage				30	Vp-p
current consumption	at 10Vp-p, 3,300 Hz square wave			10	mA
rated frequency			3,300		Hz
sound pressure level	at 10 cm, 10Vp-p, 3,300 Hz square wave	93			dB
electrostatic capacity	at 1 KHz/1 V	11,900	17,000	22,100	pF
dimensions	25.0 x 24.0 x 10.0				mm
weight				3.7	g
material	PC+10% glass (black)				
terminal	pin type (Au plating)				
operating temperature		-30		115	°C
storage temperature		-40		125	°C
RoHS	yes				

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

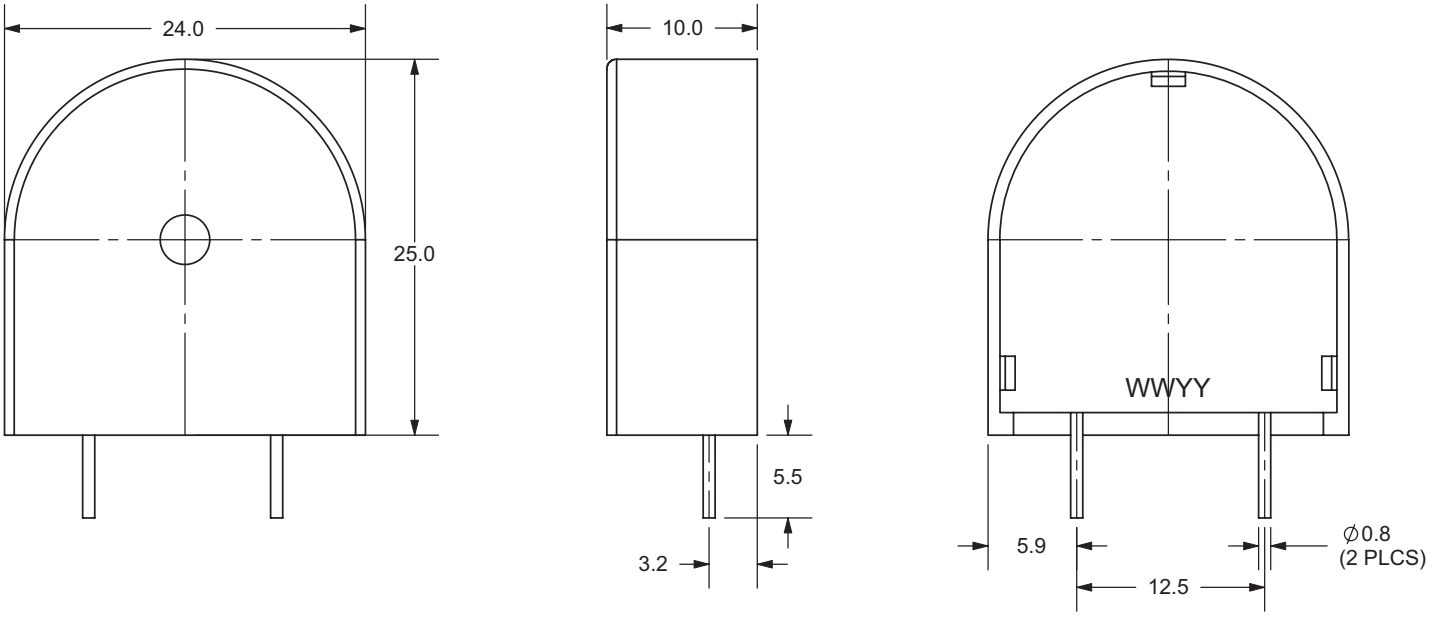
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	see wave solder profile	255	260	265	°C



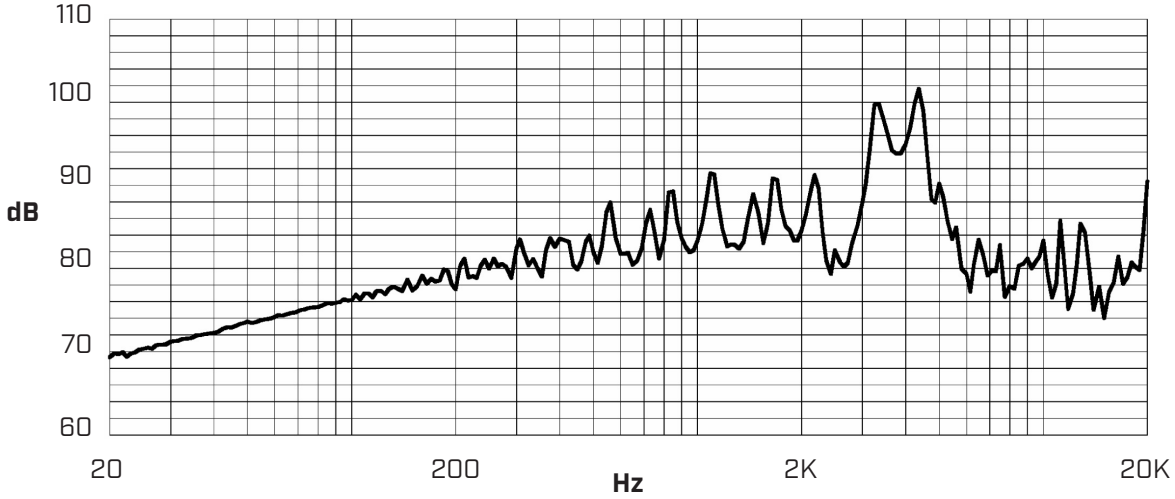
MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



FREQUENCY RESPONSE CURVE

A: frequency response. Magn dB re 20.00µPA



REVISION HISTORY

rev.	description	date
1.0	initial release	11/12/2007
1.01	applied new spec template	06/25/2015
1.02	brand update	03/16/2020
1.03	logo, datasheet style update	08/05/2022
1.04	CUI Devices rebranded to Same Sky	09/11/2024

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