

MODEL: CPE-171 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- piezo transducer with pin mount
- 75 dB SPL
- 2,800 Hz rated frequency



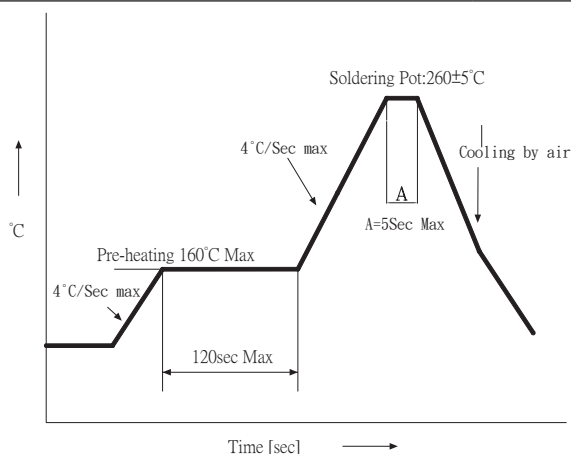
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
operating voltage				30	Vp-p
current consumption	at 10 Vp-p, 2,800 Hz square wave			4	mA
rated frequency			2,800		Hz
sound pressure level	at 10 cm, 10 Vp-p, 2,800 Hz square wave	75			dB
electrostatic capacity	at 120 Hz/1 V	3,920	5,600	7,280	pF
dimensions	Ø9.0 x 8.0				mm
weight				0.52	g
material	PBT+15% Glass (black)				
terminal	pin type (Au plating)				
operating temperature		-30		85	°C
storage temperature		-40		95	°C
RoHS	yes				

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

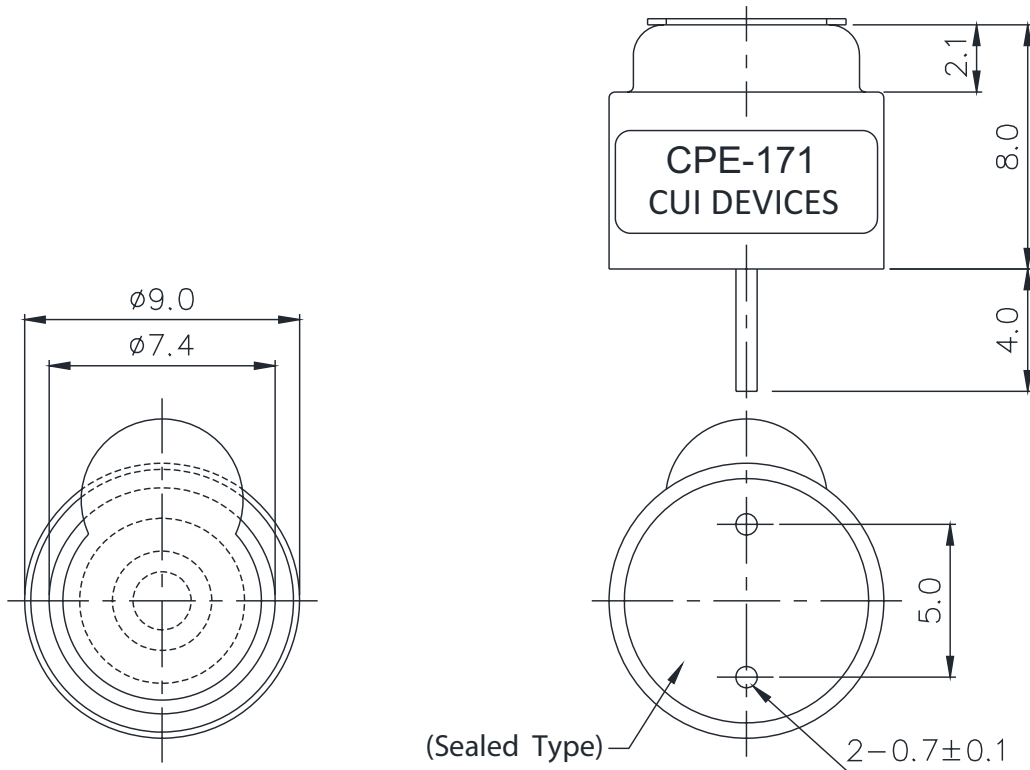
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 2 seconds	330		380	°C
wave soldering	see wave solder profile	255	260	265	°C

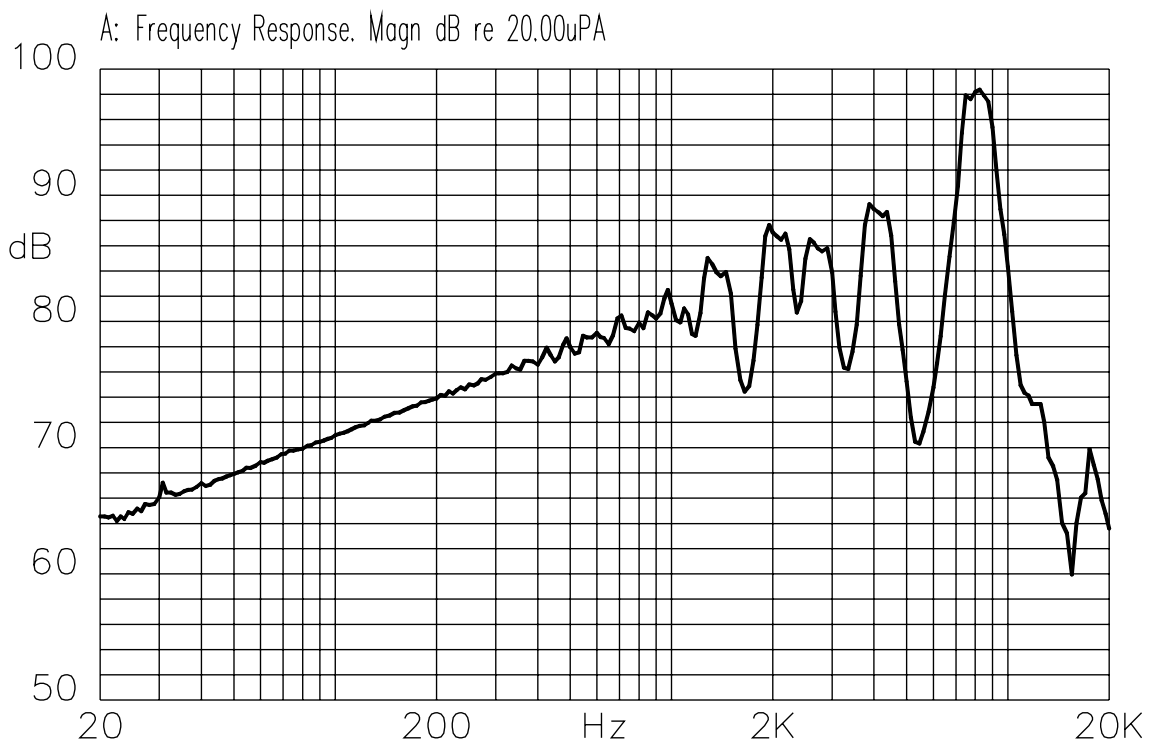


MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



FREQUENCY RESPONSE CURVE



REVISION HISTORY

rev.	description	date
1.0	initial release	09/19/2006
1.01	brand update	03/13/2020
1.02	logo, datasheet style update	08/05/2022

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



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