

**MODEL:** CEP-1153 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- piezo transducer
- 30 Vp-p operating voltage
- wide operating temperature range

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
operating voltage				30	Vp-p
current consumption	at 10Vp-p, 4,000 Hz square wave			7	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, 10Vp-p, 4,000 Hz square wave	82			dB
electrostatic capacity	at 100 Hz/1 V	9,800	14,000	18,200	pF
dimensions	Ø17.0 x 7.6				mm
weight				3.4	g
material	PBT+15% GF (black)				
terminal	pin type (Au plating)				
operating temperature		-30		105	°C
storage temperature		-40		105	°C
RoHS	2011/65/EU				

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

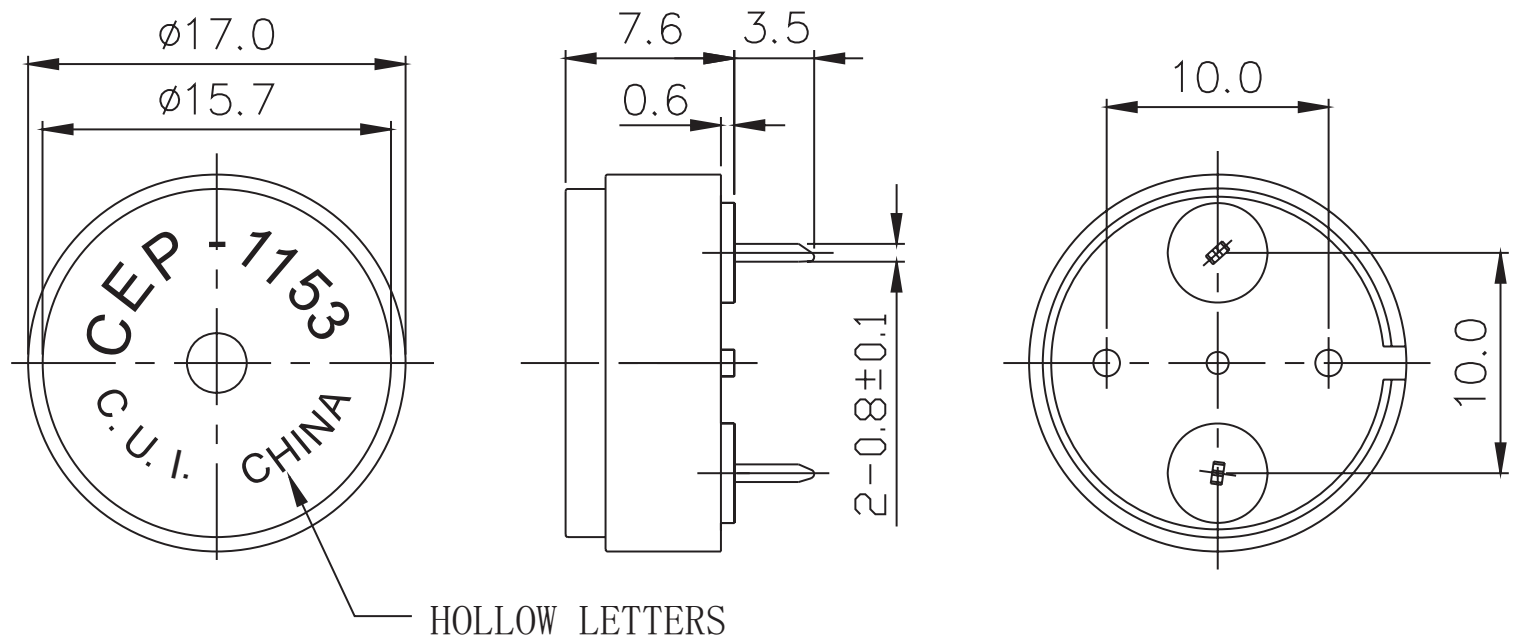
**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering <sup>2</sup>	for maximum 2 seconds	330		380	°C

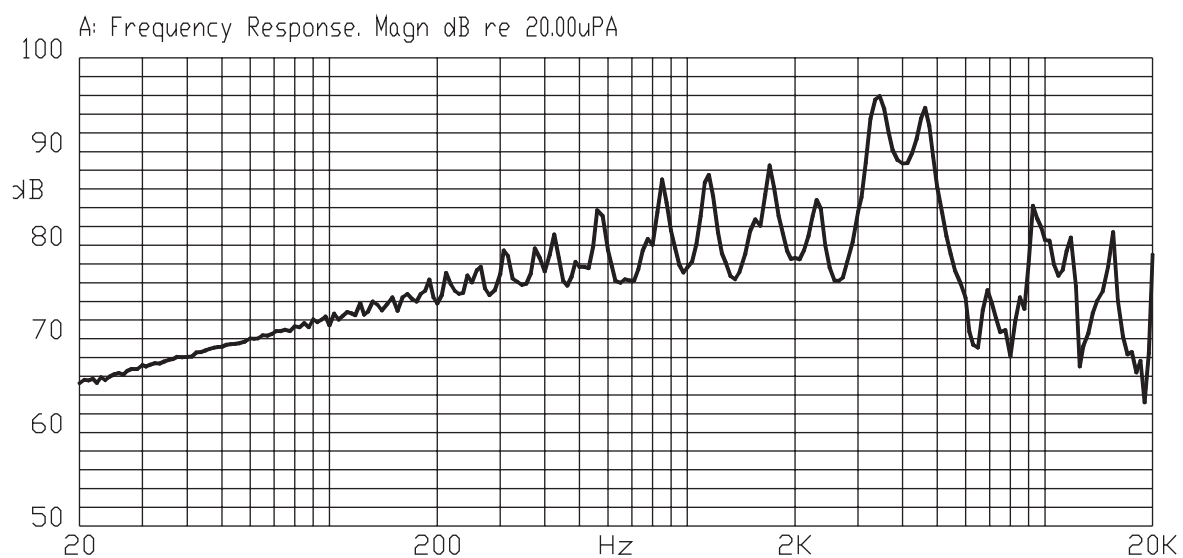
Notes: 2. Not recommended for wave soldering

## MECHANICAL DRAWING

units: mm

tolerance:  $\pm 0.5$  mm

## FREQUENCY RESPONSE CURVE



## REVISION HISTORY

rev.	description	date
1.0	initial release	05/11/2006
1.01	housing appearance modified, applied new spec template	05/15/2015

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



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