

Excellent Integrated System Limited

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[CUI Inc.](#)
[CEP-1153](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

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.

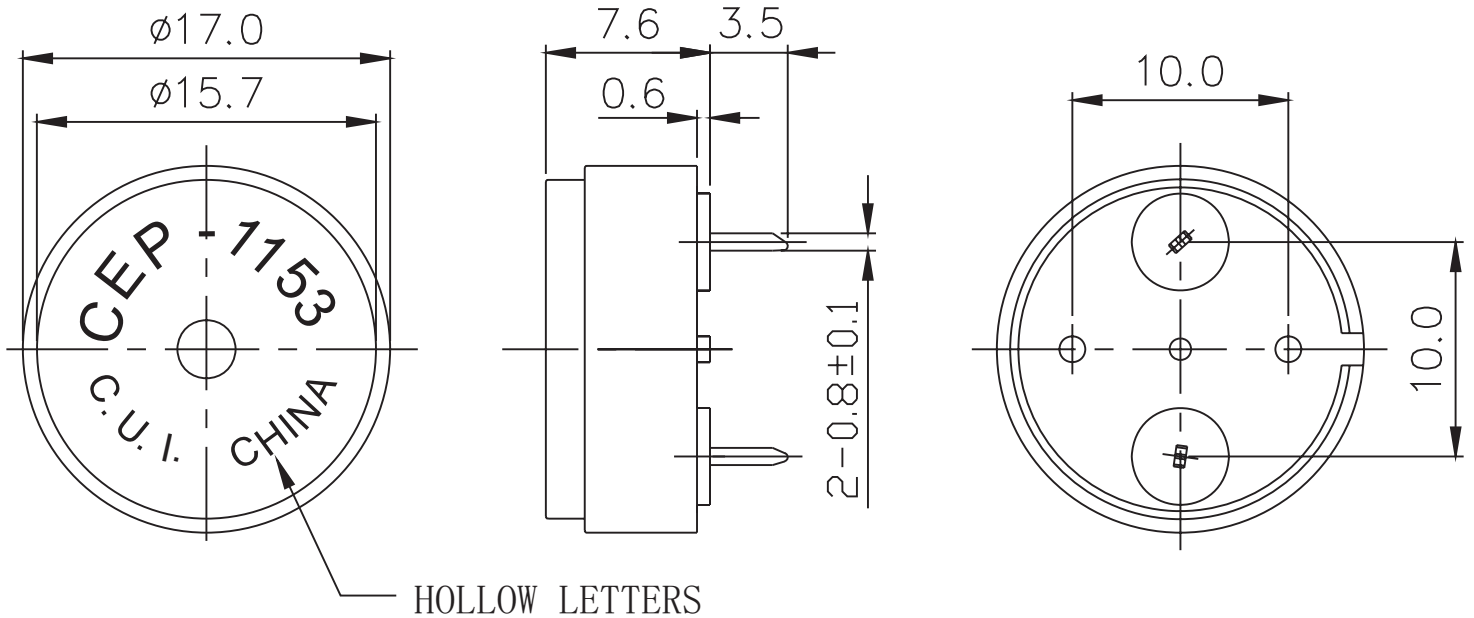
SOLDERABILITY

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

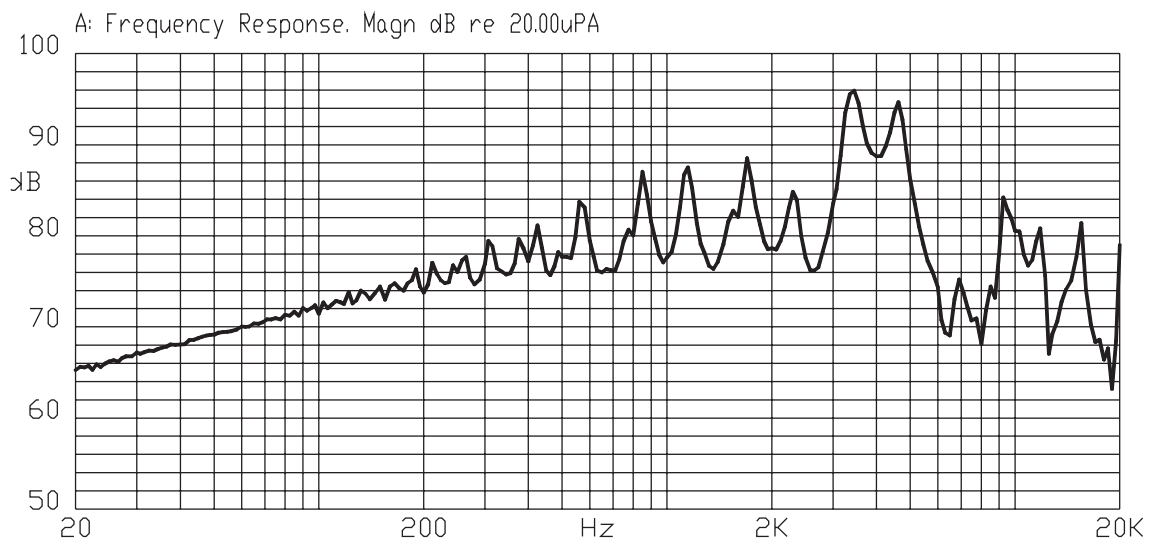
Notes: 2. Not recommended for wave soldering

MECHANICAL DRAWING

units: mm
tolerance: ± 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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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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

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