CUI Devices is now Same Sky! Learn More

MODEL: CEP-1153 | DESCRIPTION: PIEZO BUZZER TRANSDUCER

FEATURES

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

RoHS

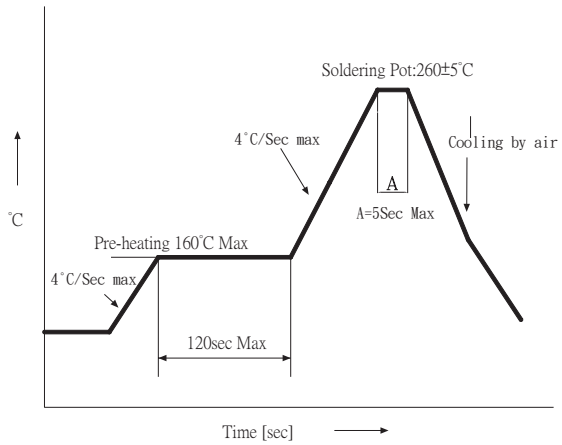
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
operating voltage				30	Vp-p
current consumption	at 10 Vp-p, 4,000 Hz square wave			7	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, 10 Vp-p, 4,000 Hz square wave	82			dB
electrostatic capacity	at 1 kHz/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	yes				

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

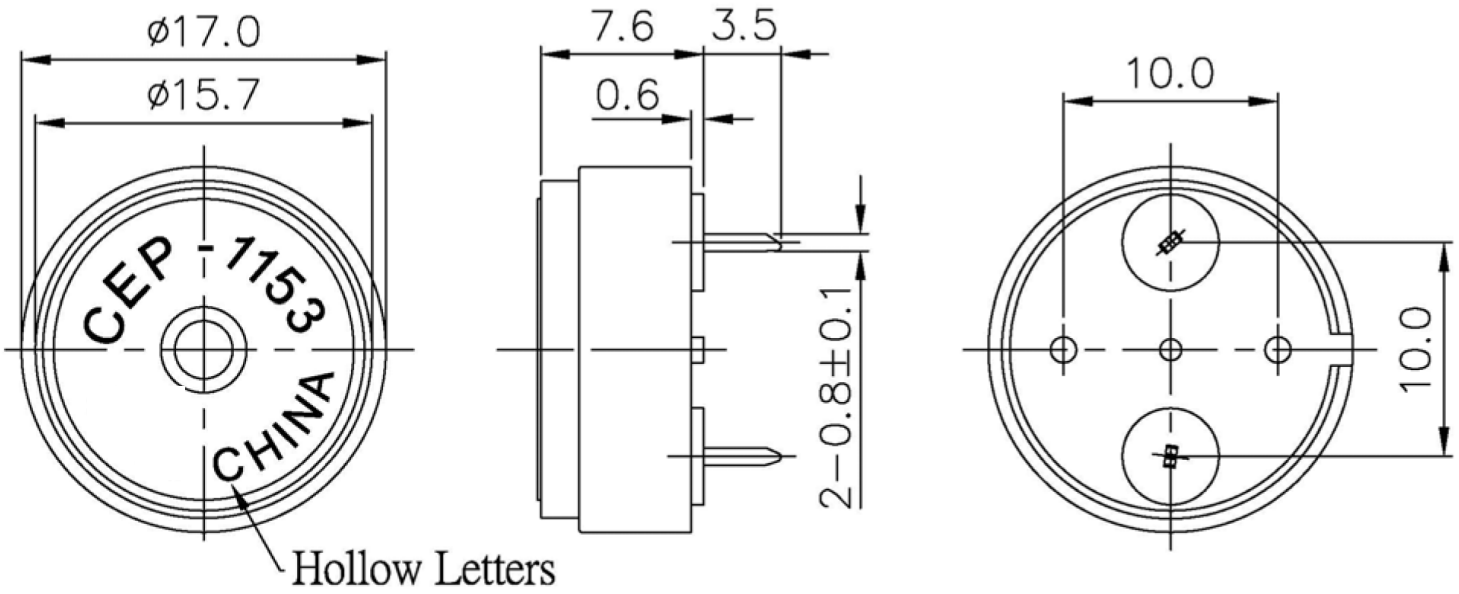
SOLDERABILITY

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

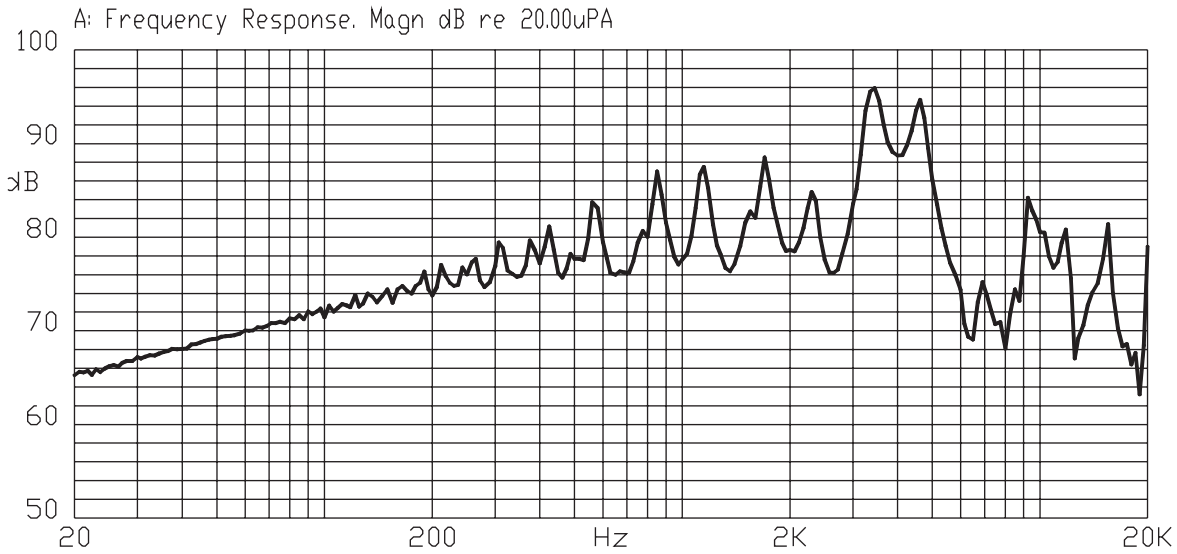


MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



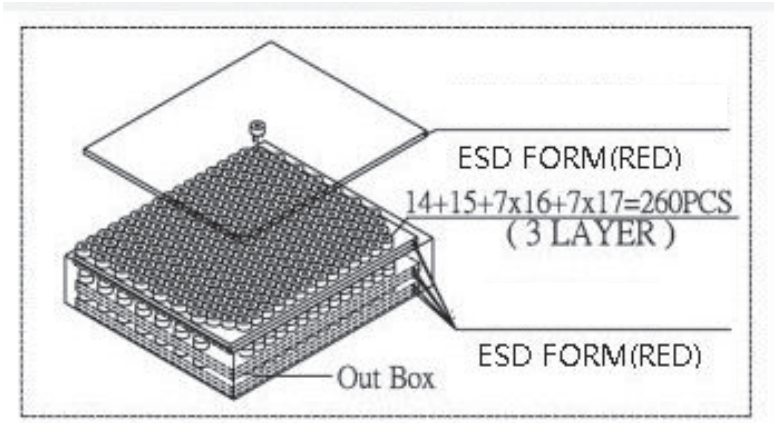
FREQUENCY RESPONSE CURVE

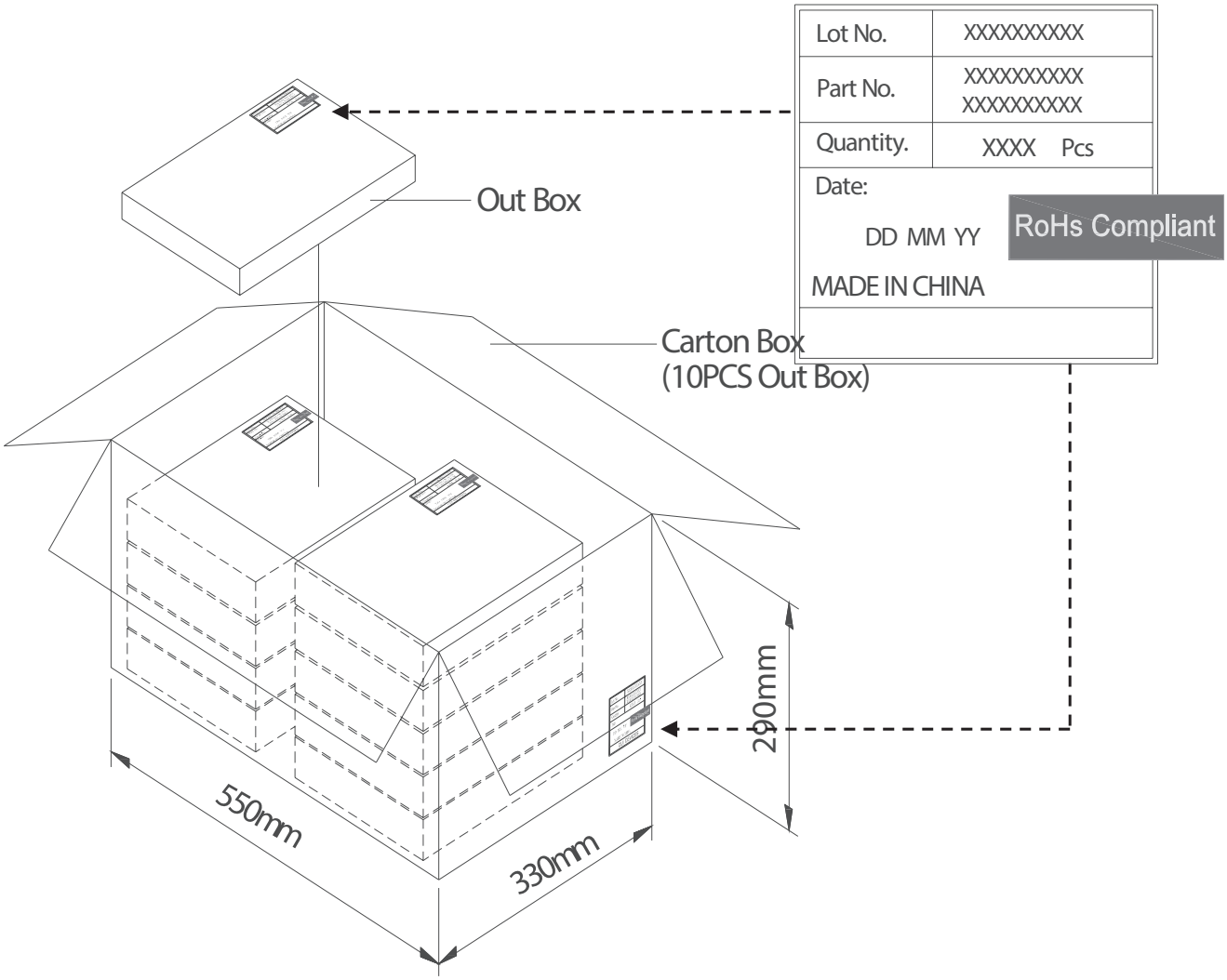


PACKAGING

units: mm

Inner Carton Size: 310 x 248 x 49 mm
Carton Size: 550 x 330 x 290 mm
Inner Carton QTY: 780 pcs per reel
Carton QTY: 7,800 pcs per carton





REVISION HISTORY

rev.	description	date
1.0	initial release	05/11/2006
1.01	housing appearance modified, applied new spec template	05/15/2015
1.02	changed to ESD packaging	08/30/2019
1.03	brand update	04/22/2020
1.04	logo, datasheet style update	08/05/2022
1.05	CUI Devices rebranded to Same Sky	09/11/2024

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.

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