

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

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

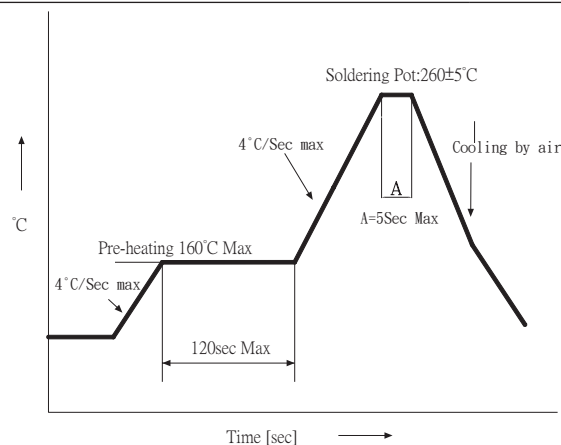
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
operating voltage				30	Vp-p
current consumption	at 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.

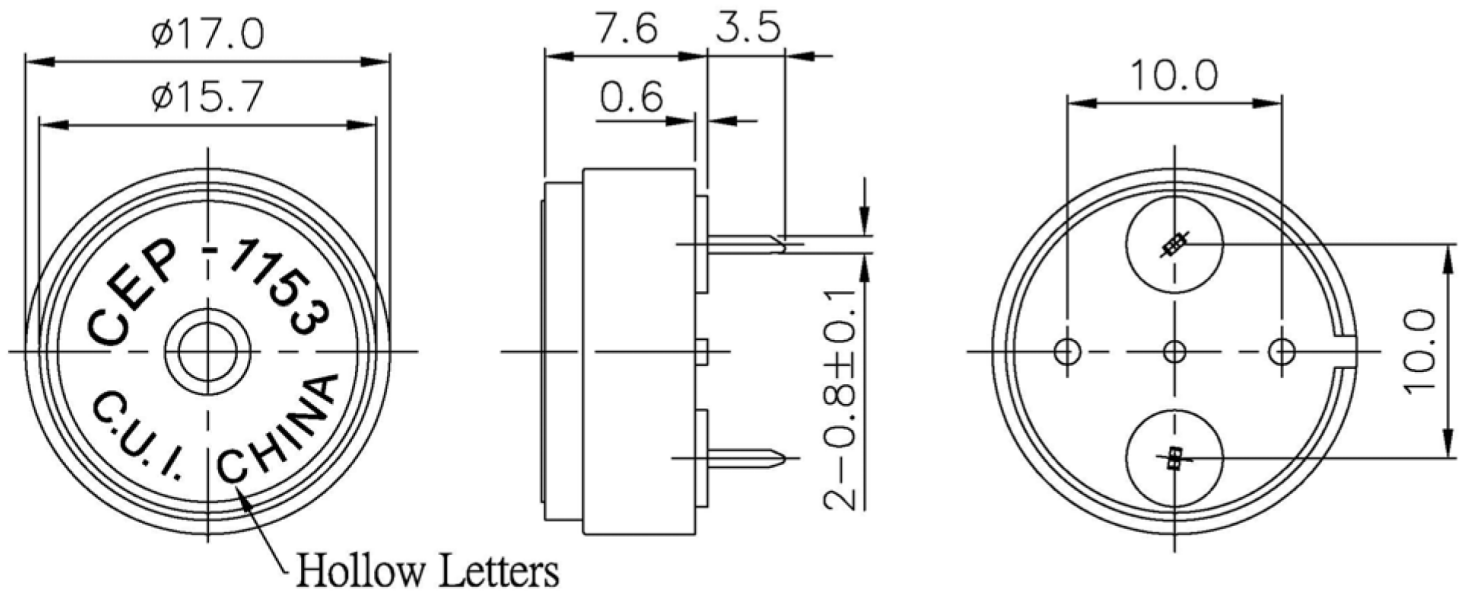
SOLDERABILITY

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

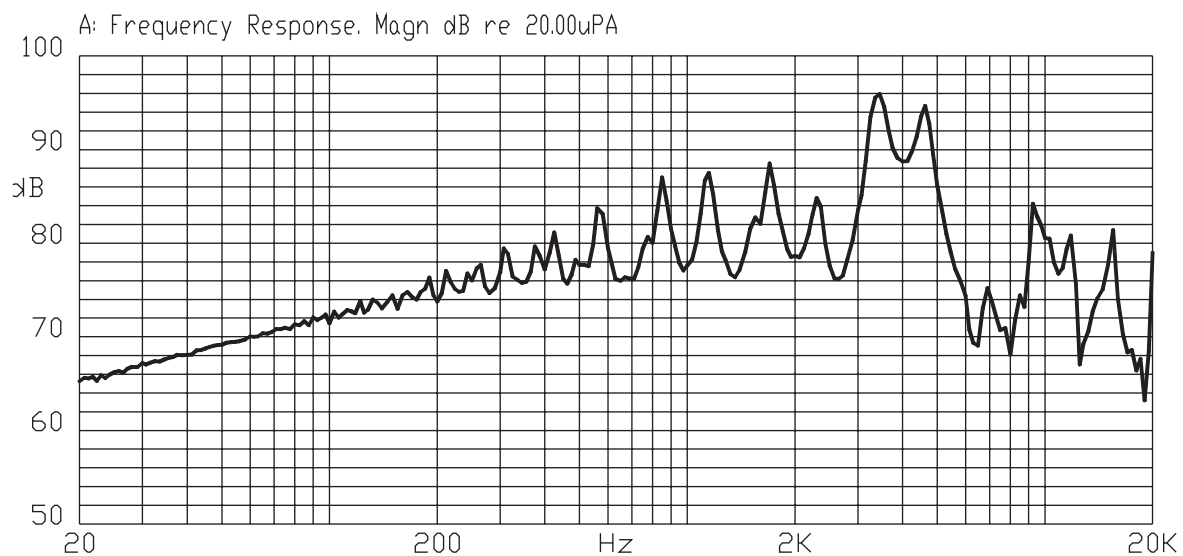


MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm



FREQUENCY RESPONSE CURVE



PACKAGING

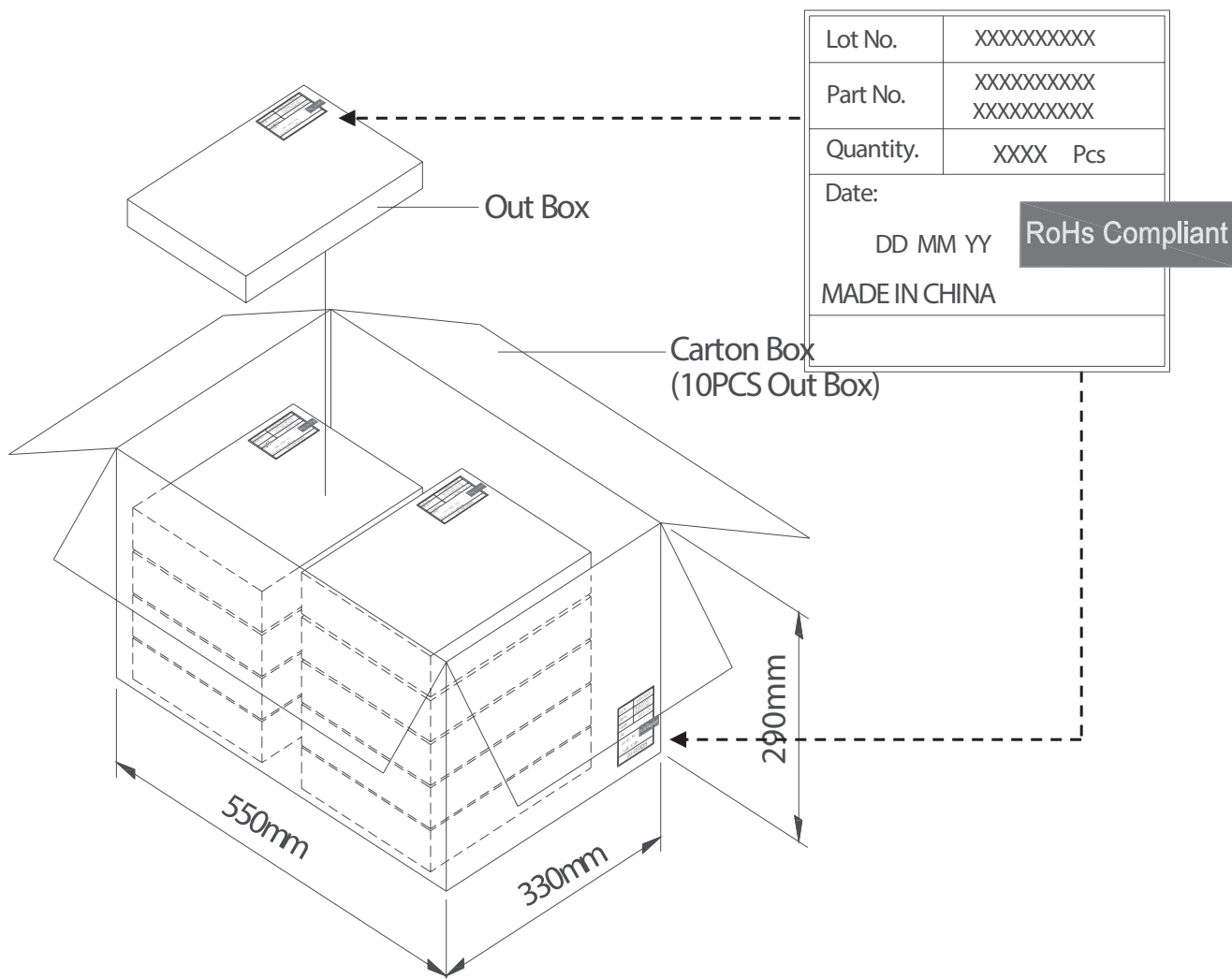
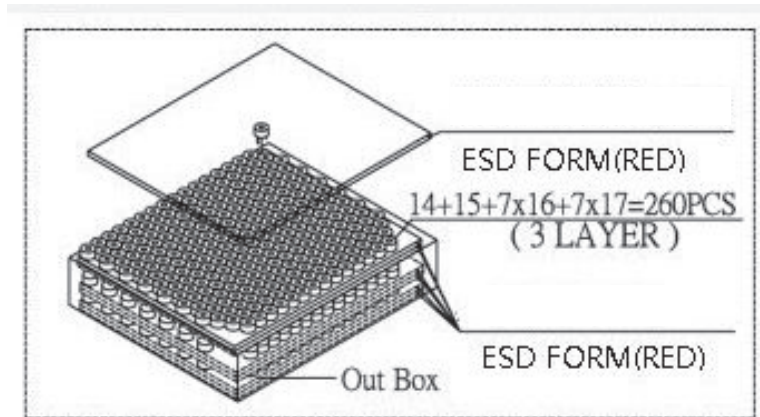
units: mm

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

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



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