CUI Devices is now Same Sky! Learn More

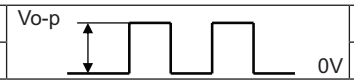
MODEL: CD-1206-SMT | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

FEATURES

- surface mount
- washable
- externally driven

RoHS

SPECIFICATIONS

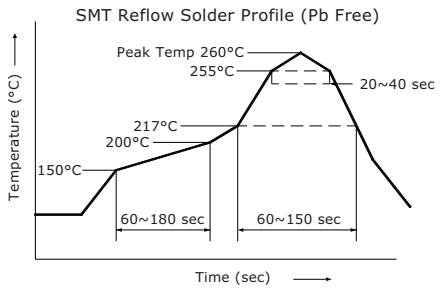
parameter	conditions/description	min	typ	max	units
rated voltage			5		Vo-p
operating voltage		4		8	Vo-p
current consumption	at rated voltage, 2,400 Hz square wave, ½ duty			40	mA
rated frequency			2,400		Hz
sound pressure level	at 10 cm (A-weight), rated voltage, 2,400 Hz square wave, ½ duty	85	94		dBA
coil resistance		40	47	54	Ω
dimensions	Ø12 x 9				mm
weight			1.6		g
material	PPS (black)				
terminal	SMT type (Au plating)				
operating temperature		-40		70	°C
storage temperature		-40		85	°C
RoHS	yes				

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

SOLDERABILITY

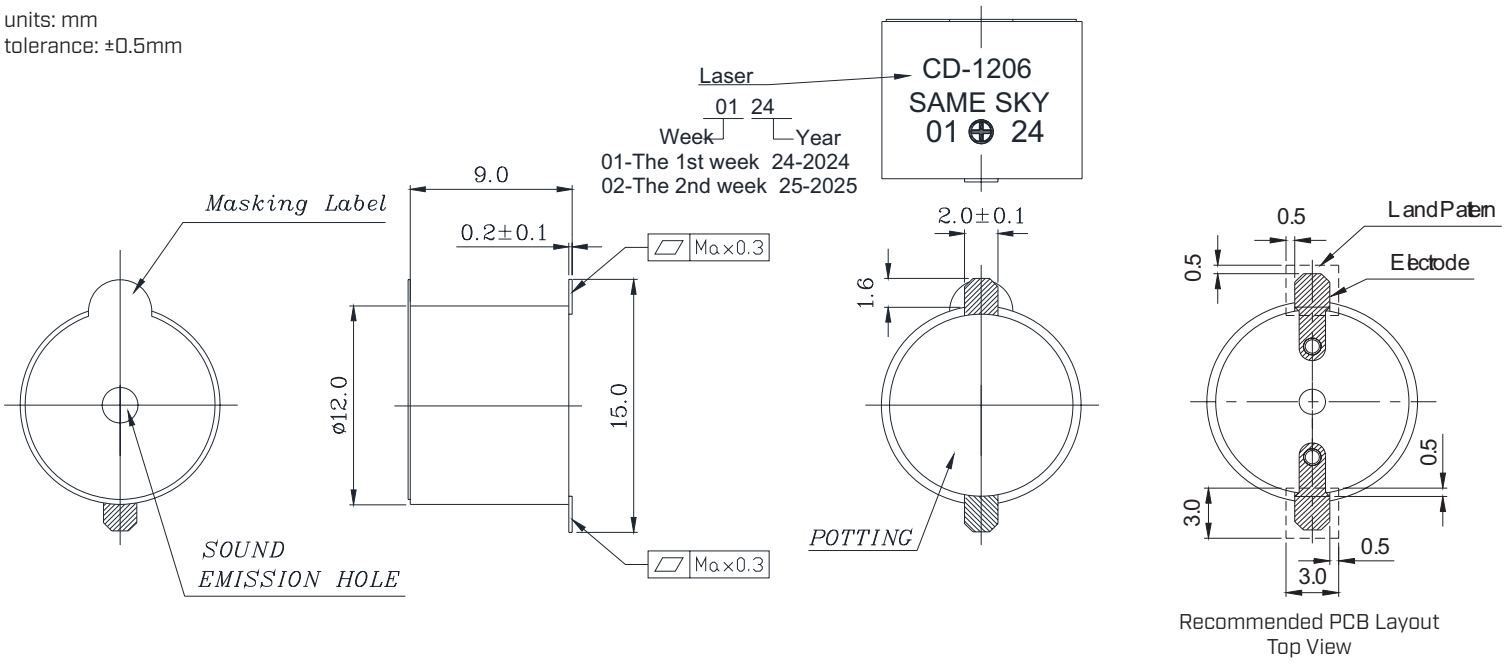
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			30	°C
reflow soldering[2]	see recommended reflow soldering profile			260	°C
drying conditions[3]	bake at 40°C for 24 hours				

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
3. When out of packaging for more than 48 hours.



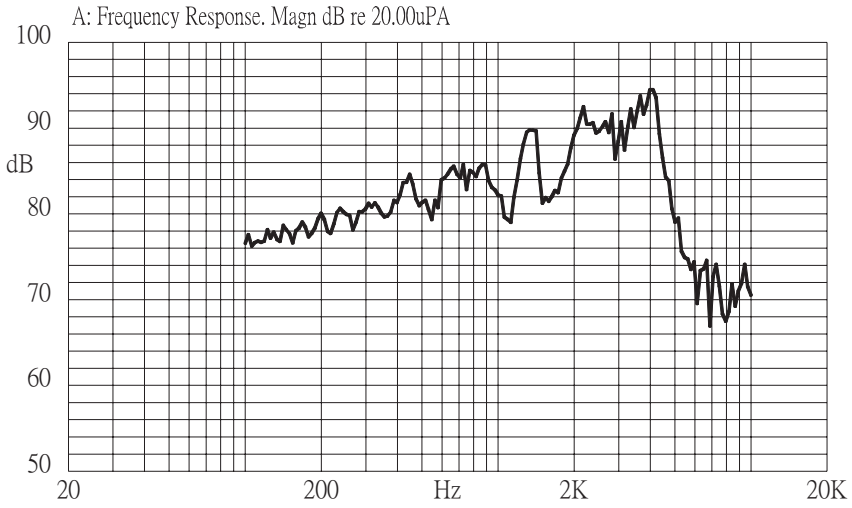
MECHANICAL DRAWING

units: mm
tolerance: ±0.5mm

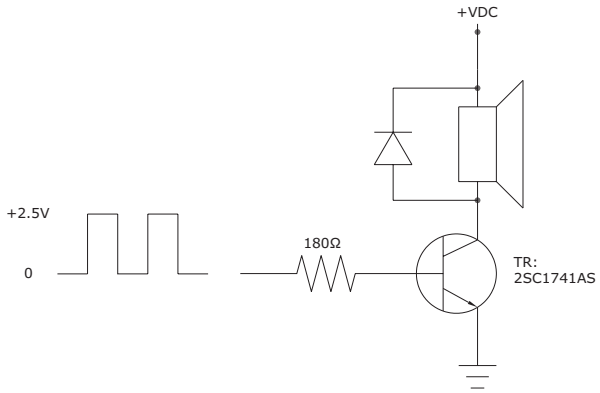


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



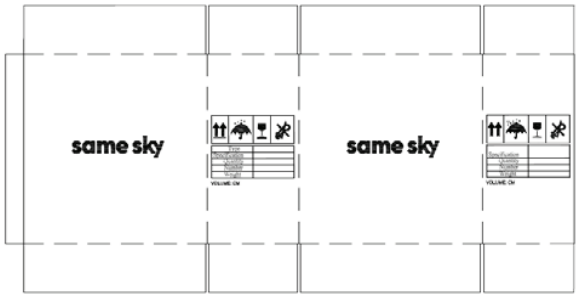
MEASUREMENT METHOD

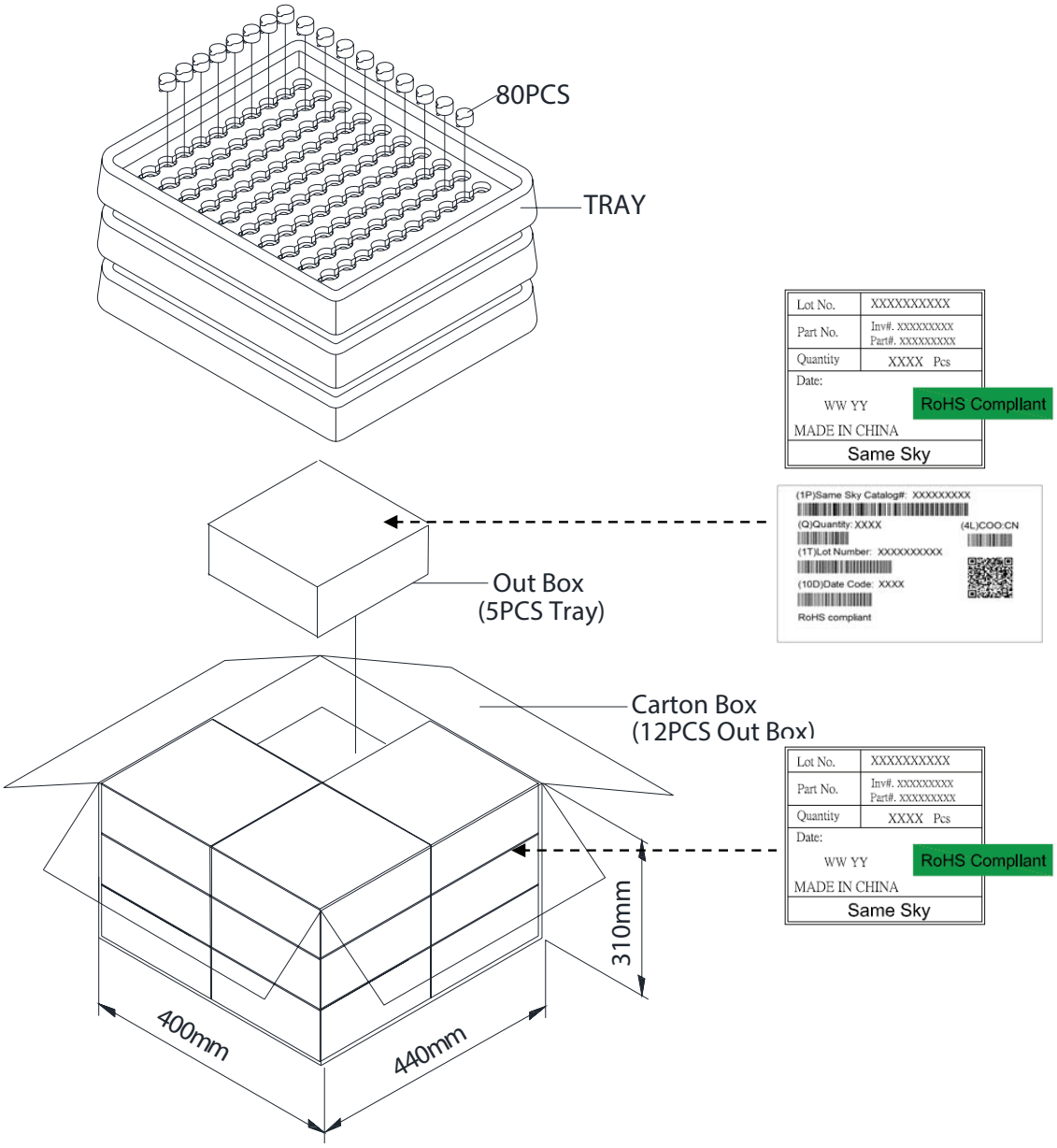


PACKAGING

units: mm

Tray Size: 184 x 184 x 24 mm
Inner Box Size: 200 x 190 x 100 mm
Carton Size: 440 x 400 x 310 mm
Tray QTY: 80 pcs per tray
Inner Box QTY: 400 pcs per inner box
Carton QTY: 4,800 pcs per carton





REVISION HISTORY

rev.	description	date
1.0	initial release	08/21/2006
1.01	applied new template	11/03/2008
1.02	applied new spec template	05/02/2013
1.03	added storage and drying conditions, and packaging details	02/01/2018
1.04	brand update	01/07/2020
1.05	logo, datasheet style update	08/05/2022
1.06	added coplanarity details to drawing	12/13/2023
1.07	CUI Devices rebranded to Same Sky	09/11/2024
1.08	changed to laser print marking	02/11/2025

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

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.