CUI Devices is now Same Sky! Learn More

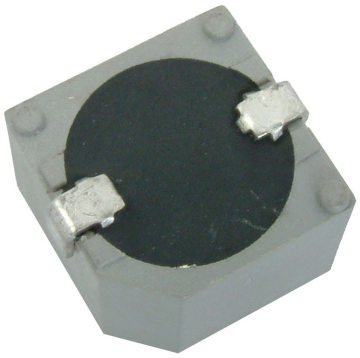
same sky

Additional Resources: Product Page | 3D Model | PCB Footprint

MODEL: CT-1205H-SMT-TR | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

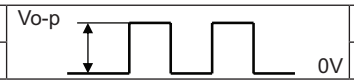
FEATURES

- washable
- top sound port
- externally driven



RoHS

SPECIFICATIONS

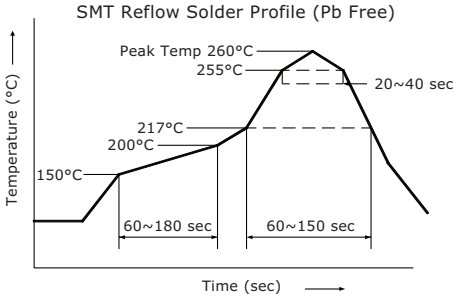
parameter	conditions/description	min	typ	max	units
rated voltage			5		Vo-p
operating voltage		3		7	Vo-p
current consumption	at rated voltage, 2,400 Hz square wave, ½ duty			60	mA
rated frequency			2,400		Hz
sound pressure level	at 10 cm (A-weight), rated voltage, 2,400 Hz square wave, ½ duty	88	92		dBA
coil resistance		40	47	54	Ω
dimensions	12.8 x 12.8 x 10				mm
weight			2		g
material	PPS (S-206)				
terminal	SMT type (Sn plating)				
operating temperature		-30		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

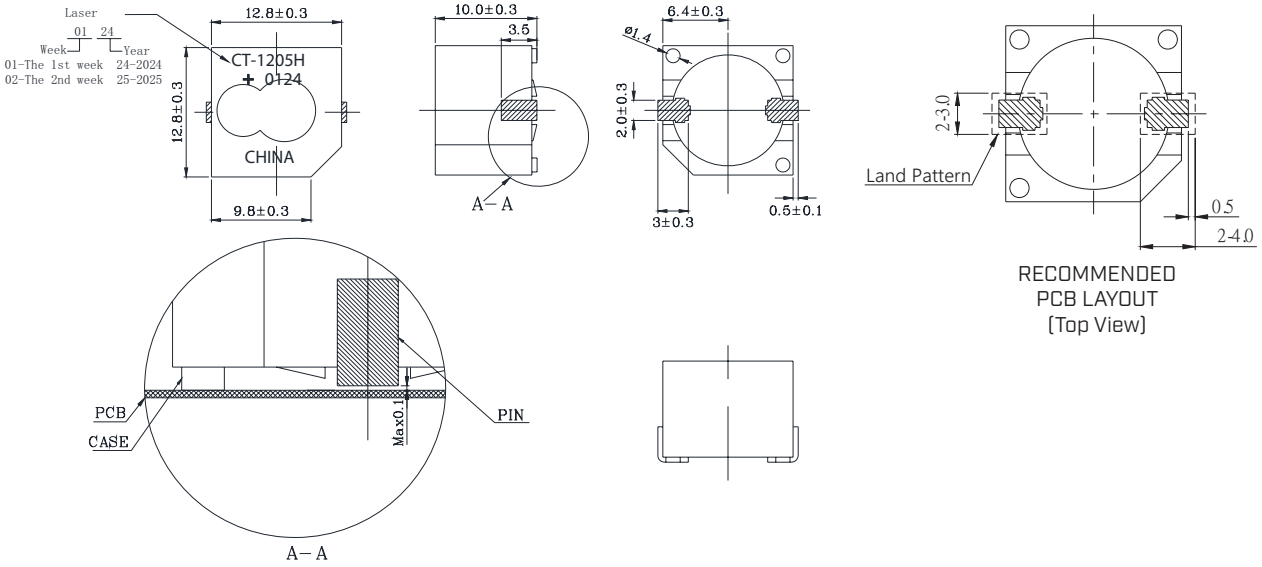
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <40%			25	°C
reflow soldering[2]	see recommended reflow soldering profile			260	°C
drying conditions[3]	bake at 40°C for 24 hours				

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.

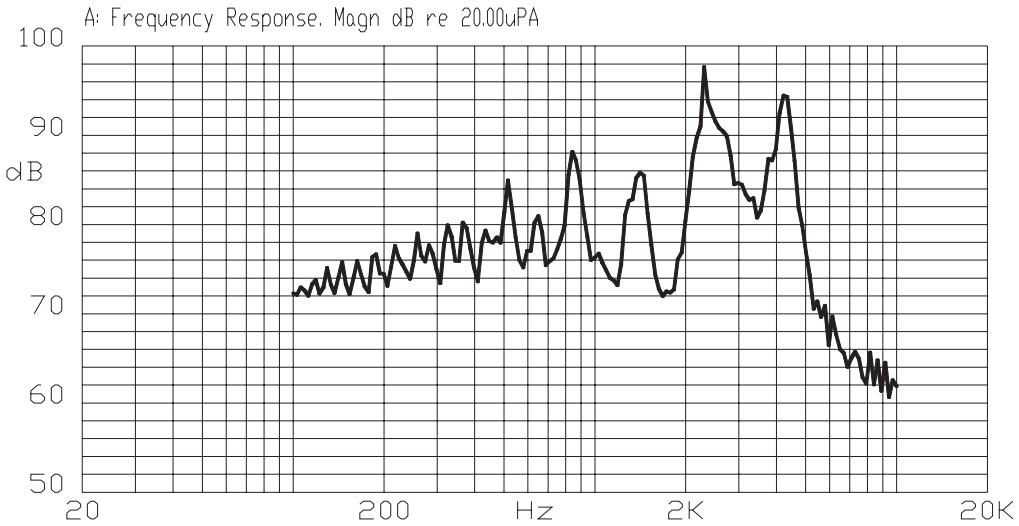


MECHANICAL DRAWING

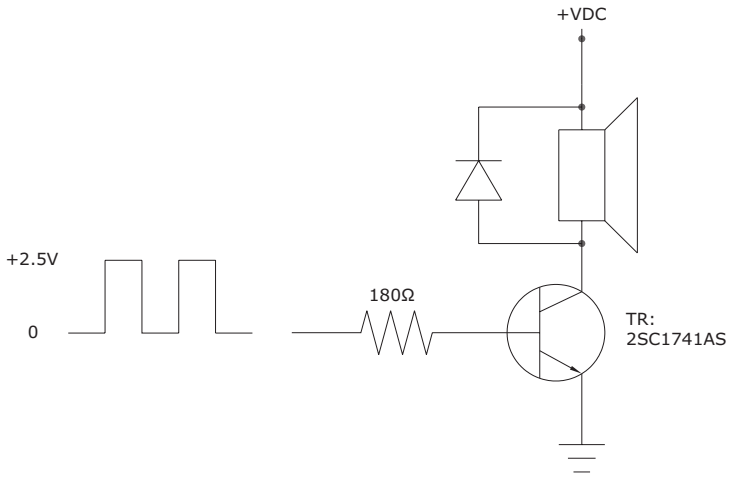
units: mm
tolerance: ±0.5 mm



FREQUENCY RESPONSE CURVE



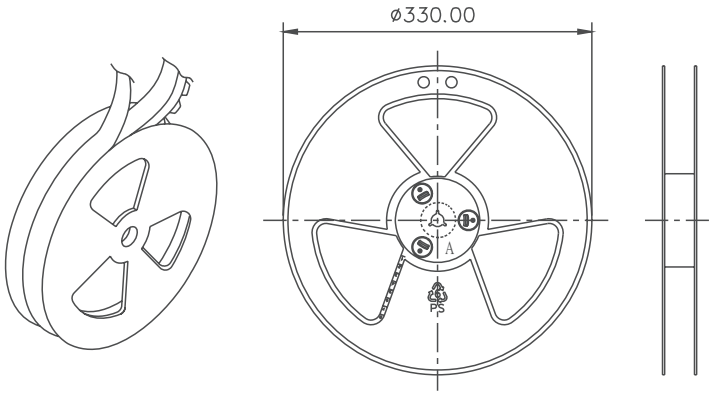
MEASUREMENT METHOD

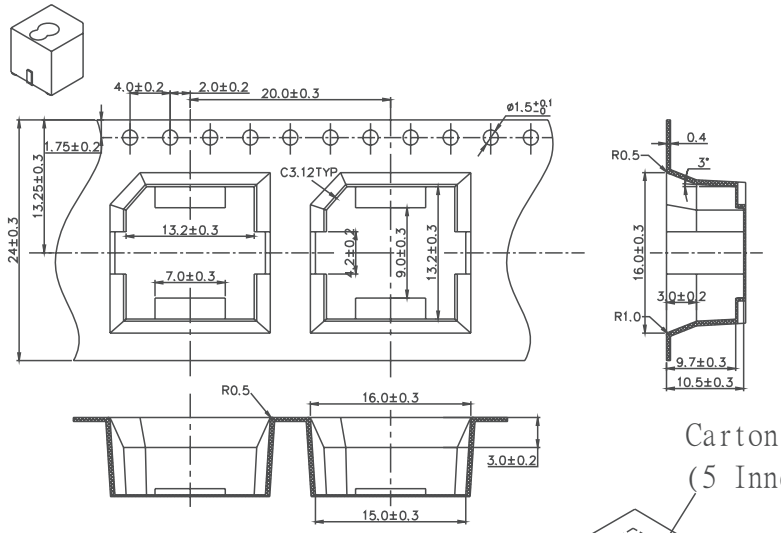


PACKAGING

units: mm

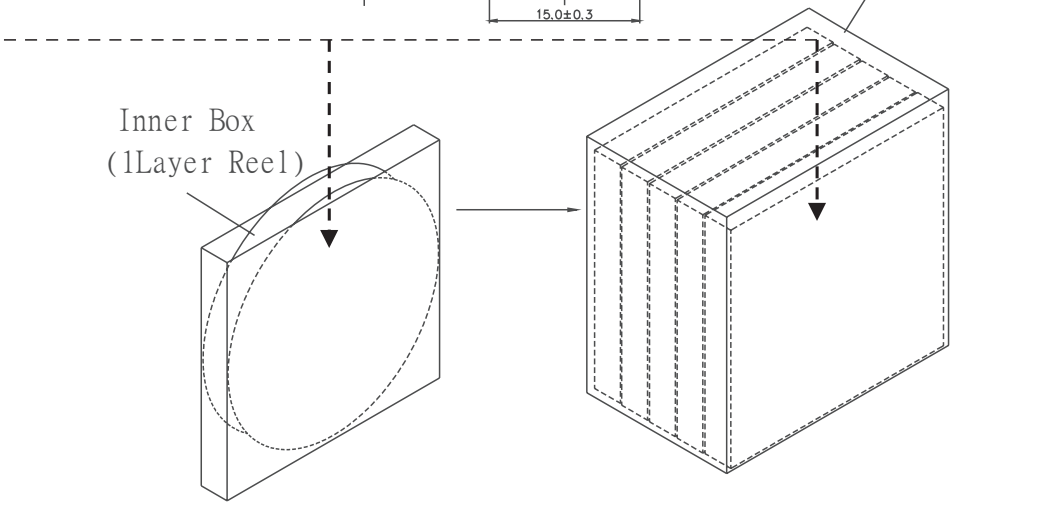
Reel Size: Ø330 mm
Inner Box Size: 340 x 340 x 33 mm
Carton Size: 350 x 175 x 355 mm
Reel QTY: 320 pcs per reel
Carton QTY: 1,600 pcs per carton





Lot No.	XXXXXXXXXX
Model No.	XXXXXXXXXX
Quantity.	XXXX Pcs
Date: DD MM YY MADE IN CHINA	G

* The label sticked on inner boxes and the outer of carton.



REVISION HISTORY

rev.	description	date
1.0	initial release	05/01/2006
1.01	applied new template	10/20/2009
1.02	updated part number, added TR package option, applied new spec template	05/03/2013
1.03	added storage and drying conditions, and tape and reel packaging details	07/31/2019
1.04	brand update	01/07/2020
1.05	logo, datasheet style update	08/05/2022
1.06	CUI Devices rebranded to Same Sky	09/11/2024
1.07	moved part marking location	11/05/2025

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.

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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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