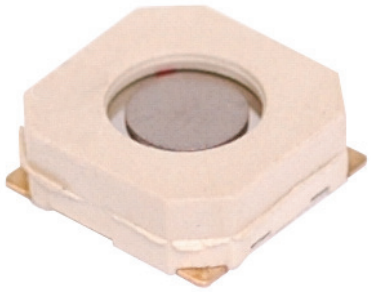
CUI Devices is now Same Sky! Learn More

same sky

MODEL: CSS-I4B20-SMT-TR | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

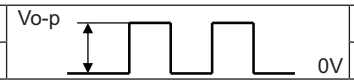
FEATURES

- large sound port
- top sound port
- externally driven



RoHS

SPECIFICATIONS

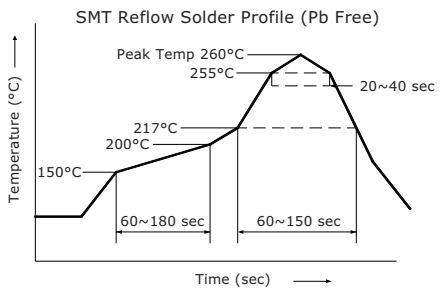
parameter	conditions/description	min	typ	max	units
rated voltage			3.6		Vo-p
operating voltage		3		5	Vo-p
current consumption	at rated voltage, 2,730 Hz square wave, ½ duty			80	mA
rated frequency			2,730		Hz
sound pressure level	at 5 cm (A-weight), rated voltage, 2,730 Hz square wave, ½ duty	85	90		dBA
coil resistance		17	20	23	Ω
dimensions	8.5 x 8.5 x 3				mm
weight			0.6		g
material	LCP (white)				
terminal	SMT type (Au 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

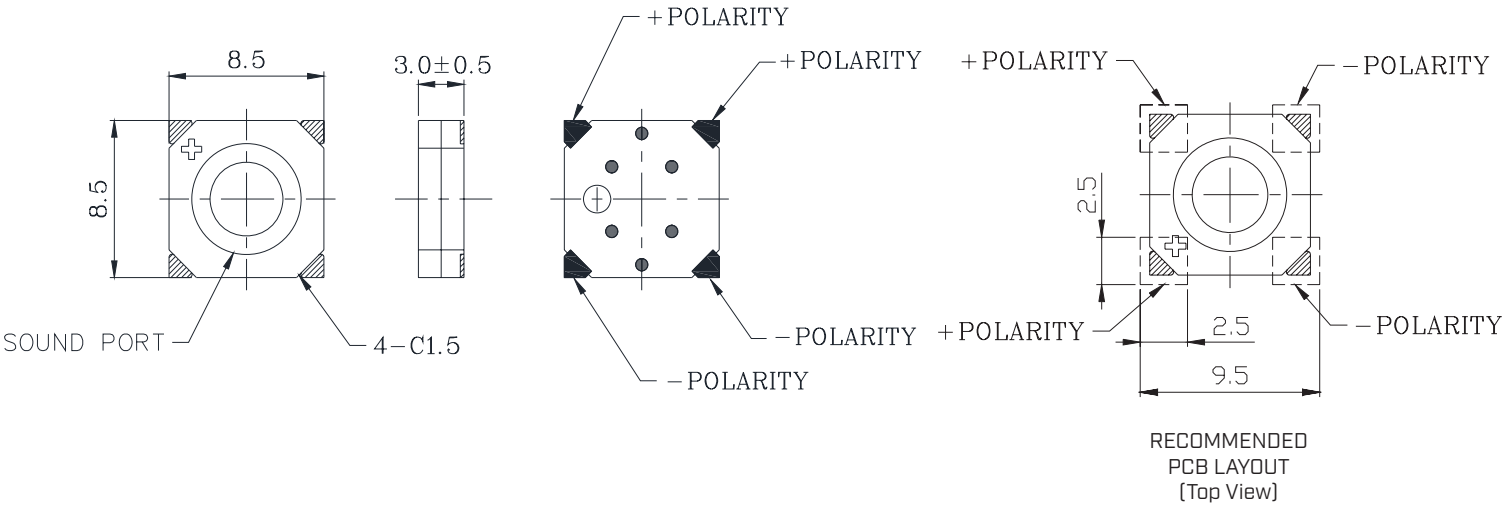
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			30	°C
reflow soldering[2]	see recommended reflow soldering profile			260	°C
drying conditions[3]	bake at 40°C for 24 hours				

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.



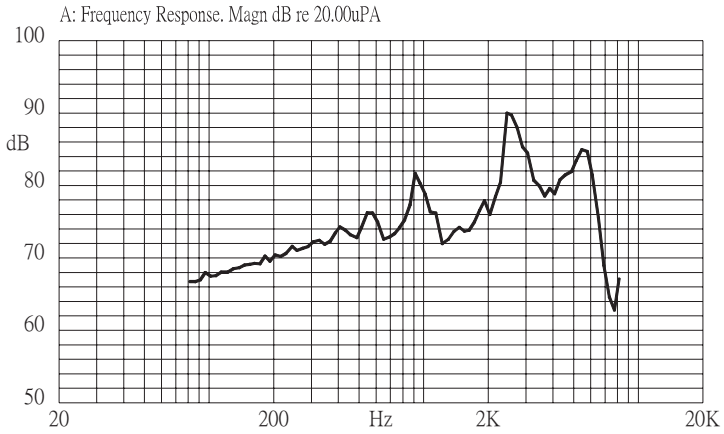
MECHANICAL DRAWING

units: mm
tolerance: ±0.5mm

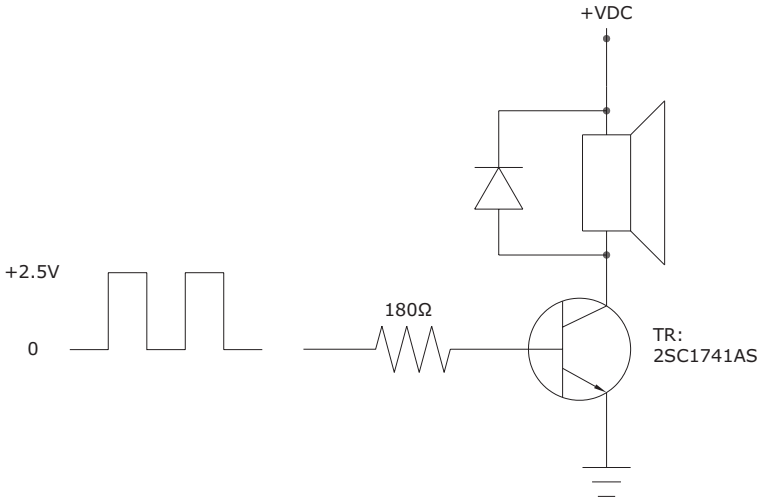


RECOMMENDED
PCB LAYOUT
(Top View)

FREQUENCY RESPONSE CURVE



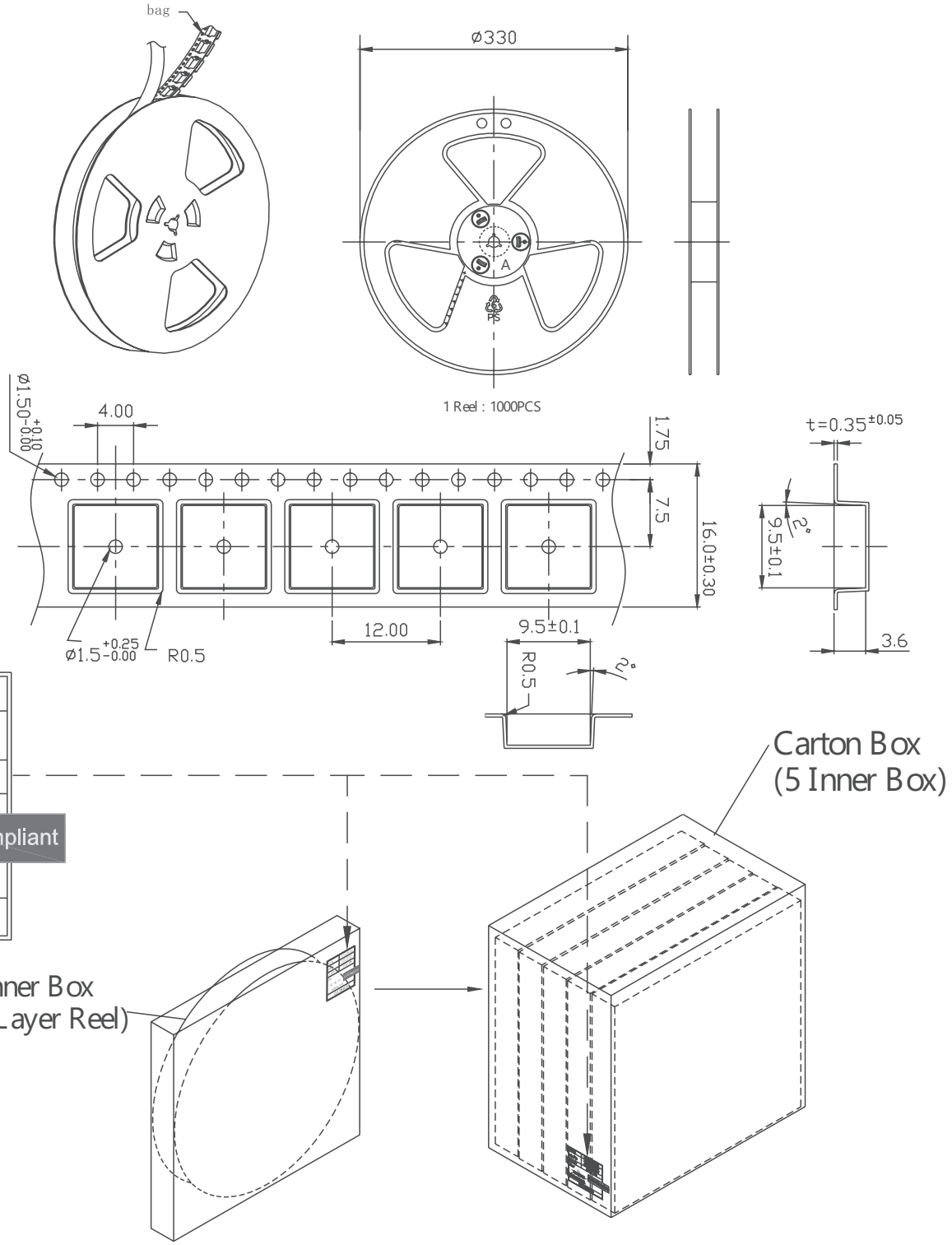
MEASUREMENT METHOD



PACKAGING

units: mm

Reel Size: Ø330 mm
Inner Box Size: 340 x 340 x 33 mm
Carton Size: 350 x 175 x 355 mm
Reel QTY: 1,000 pcs per reel
Carton QTY: 5,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	11/13/2006
1.01	updated part number, added TR package option, applied new spec template	05/02/2013
1.02	added storage and drying conditions, and tape and reel packaging details	07/26/2019
1.03	brand update	01/06/2020
1.04	modified housing base	03/22/2021
1.05	logo, datasheet style update	08/05/2022
1.06	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.

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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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