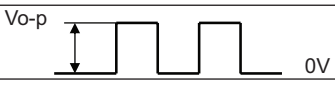


**MODEL:** CSS-J4D20-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- surface mount
- side sound port
- externally driven

**SPECIFICATIONS**

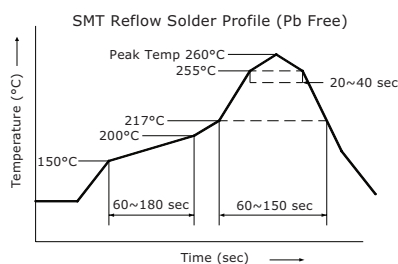
parameter	conditions/description	min	typ	max	units
rated voltage	 Vo-p		3.6		Vo-p
operating voltage		3		5	Vo-p
current consumption	at rated voltage, 3,100 Hz square wave, ½ duty			80	mA
rated frequency			3,100		Hz
sound pressure level	at 5 cm (A-weight), rated voltage, 3,100 Hz square wave, ½ duty	90	97		dBA
coil resistance		17	20	23	Ω
dimensions	8.5 x 8.5 x 3.2				mm
weight			0.7		g
material	LCP (white)				
terminal	SMT type (Au plating)				
operating temperature		-40		70	°C
storage temperature		-40		85	°C
washable	no				
RoHS	yes				

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

SOLDERABILITY

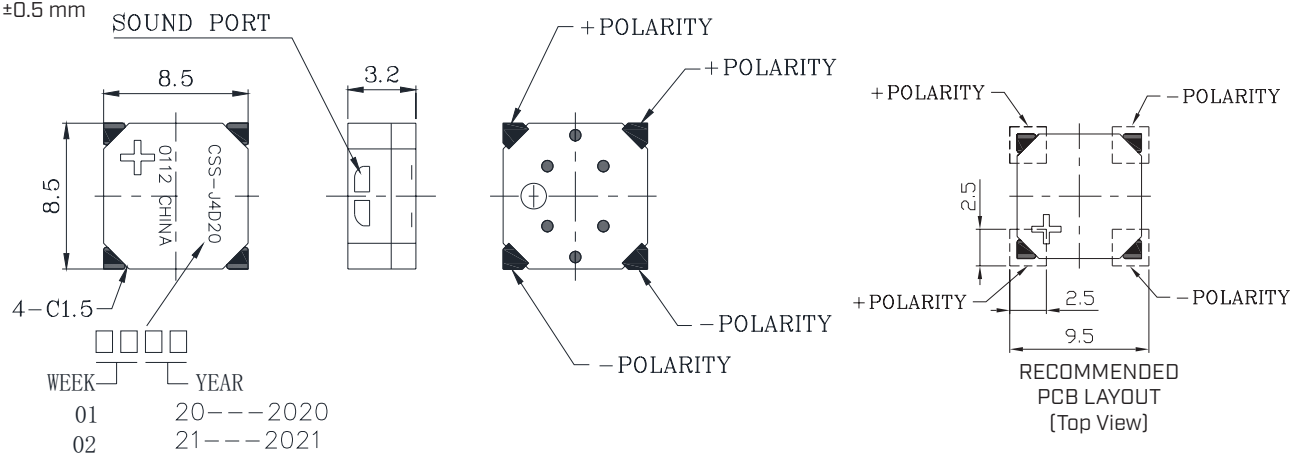
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			30	°C
reflow soldering ²	see recommended reflow soldering profile			260	°C
drying conditions ³	bake at 40°C for 24 hours				

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.

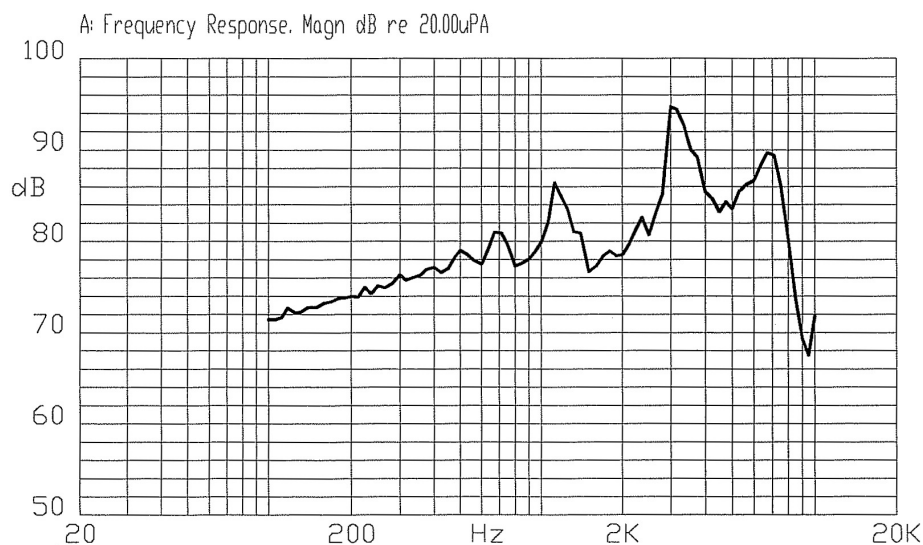


MECHANICAL DRAWING

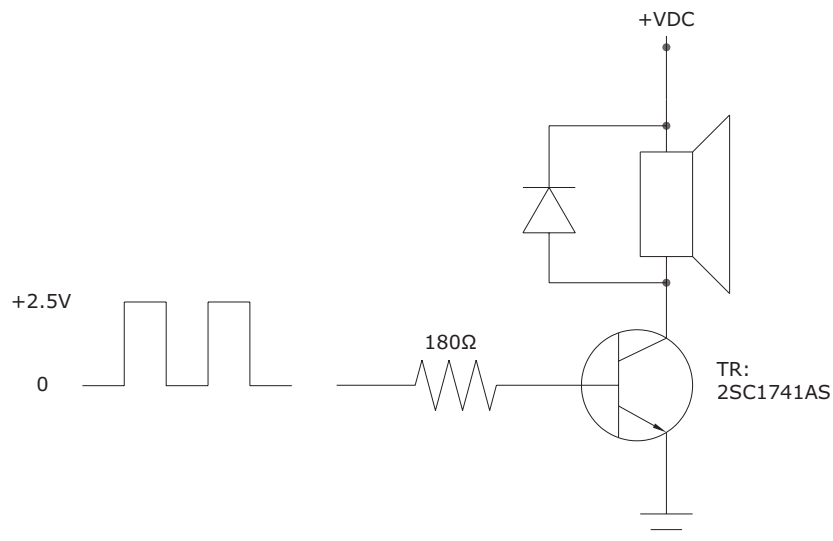
units: mm

tolerance: ± 0.5 mm

FREQUENCY RESPONSE CURVE



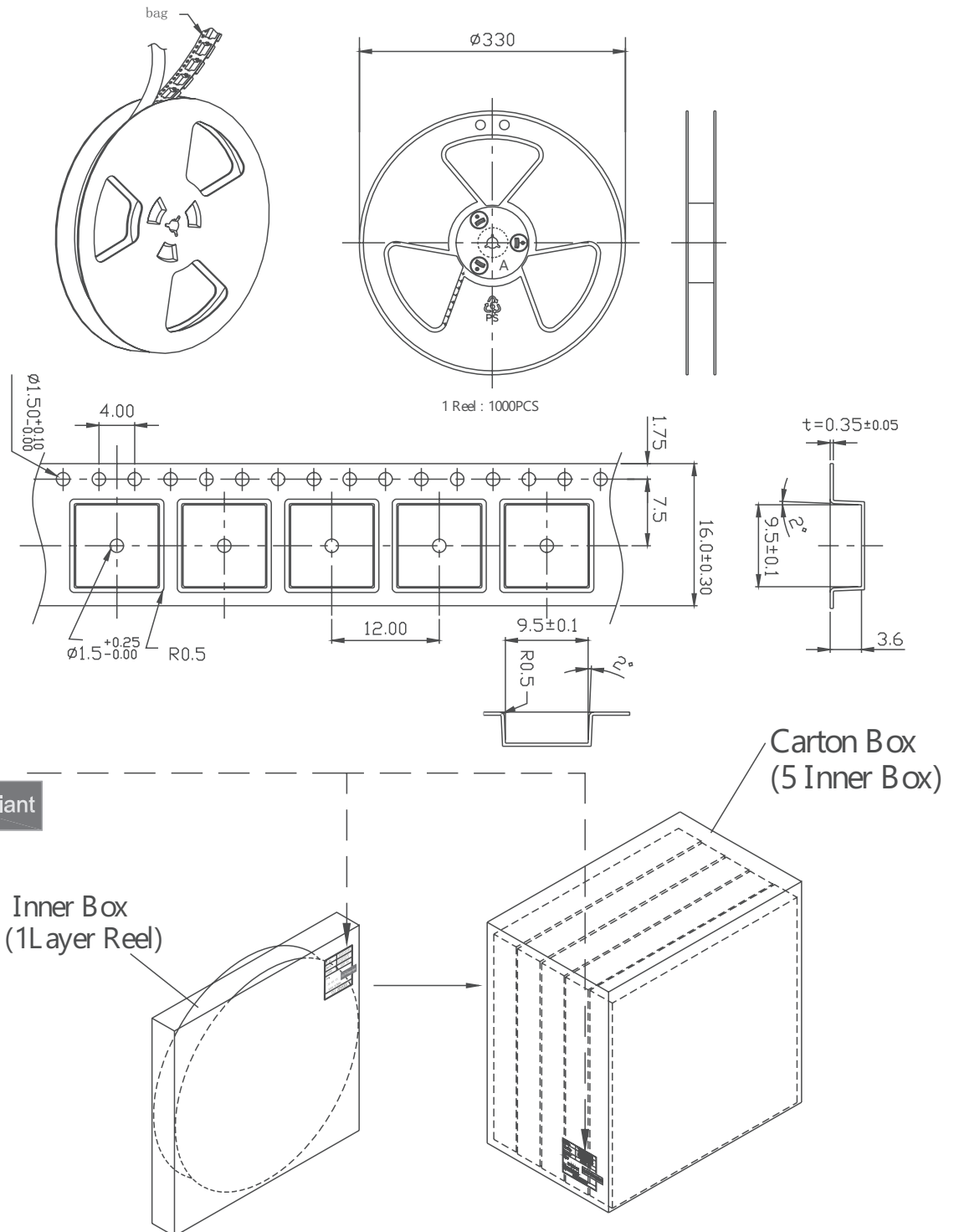
MEASUREMENT METHOD



PACKAGING

units: mm

Reel Size: $\varnothing 330$ 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	09/20/2006
1.01	applied new spec template	11/03/2008
1.02	updated part number, added TR package option, applied new spec template	05/06/2013
1.03	added storage and drying conditions, and tape and reel packaging details	07/29/2019
1.04	brand update	01/06/2020
1.05	modified housing base	03/22/2021
1.06	logo, datasheet style update	08/05/2022
1.07	CUI Devices rebranded to Same Sky	09/11/2024
1.08	updated datasheet	12/02/2025

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.

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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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