


**MODEL:** CSS-J4B20-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- high sound pressure level
- side sound port
- externally driven

**SPECIFICATIONS**

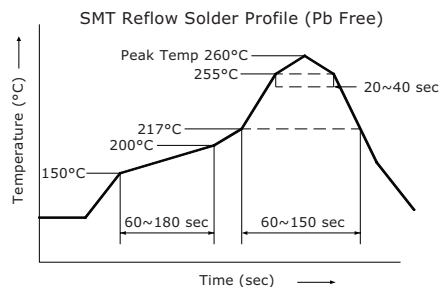
parameter	conditions/description	min	typ	max	units
rated voltage			3.6		Vo-p
operating voltage		3		5	Vo-p
current consumption	at rated voltage, 2,730 Hz square wave, 1/2 duty			80	mA
rated frequency			2,730		Hz
sound pressure level	at 5 cm (A-weight), rated voltage, 2,730 Hz square wave, 1/2 duty	90	97		dBA
coil resistance		17	20	23	$\Omega$
dimensions	8.5 x 8.5 x 3.2				mm
weight			0.7		g
material	LCP (white)				
terminal	SMT type (Au plating)				
operating temperature		-30		70	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	yes				

Notes: 1. All specifications measured at 5~35 $^{\circ}\text{C}$ , humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

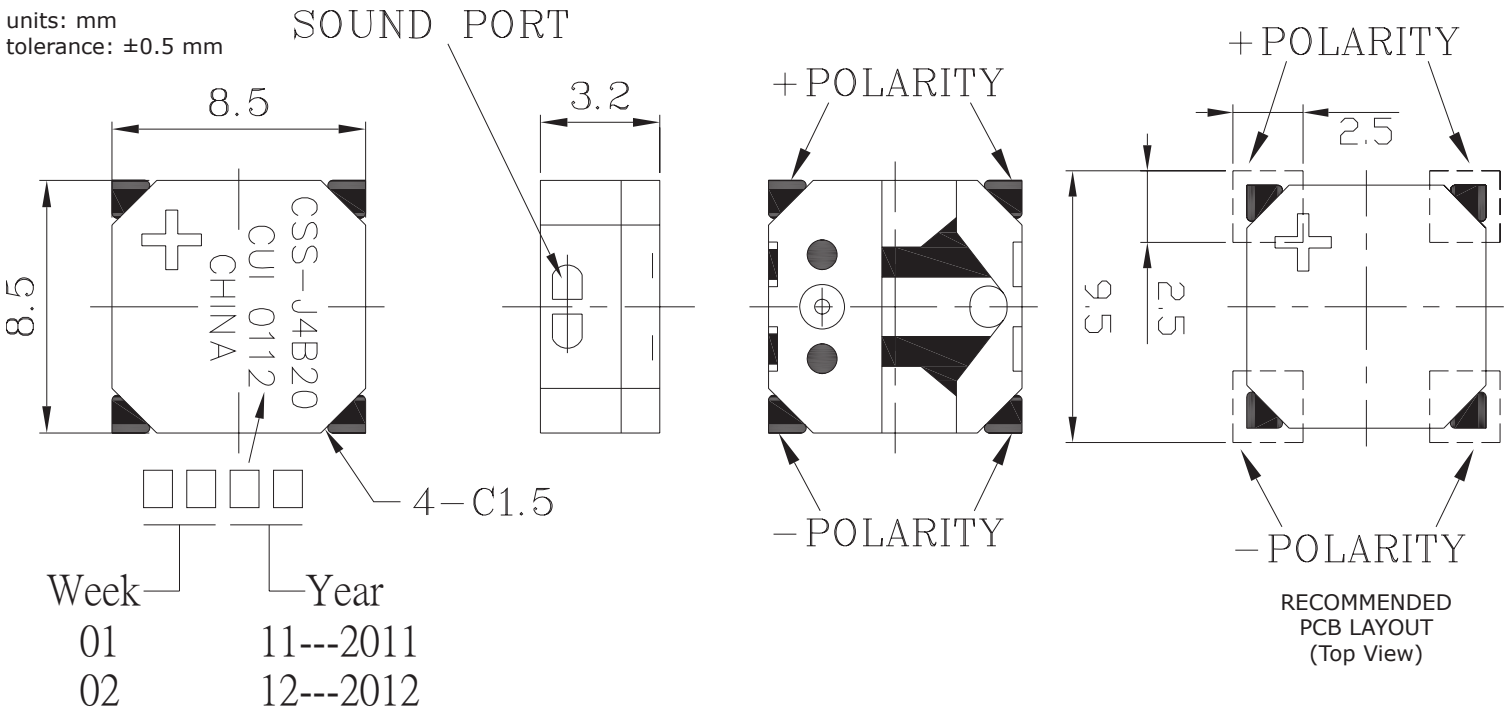
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			30	$^{\circ}\text{C}$
reflow soldering <sup>2</sup>	see recommended reflow soldering profile			260	$^{\circ}\text{C}$
drying conditions <sup>3</sup>	bake at 40 $^{\circ}\text{C}$ for 24 hours				

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

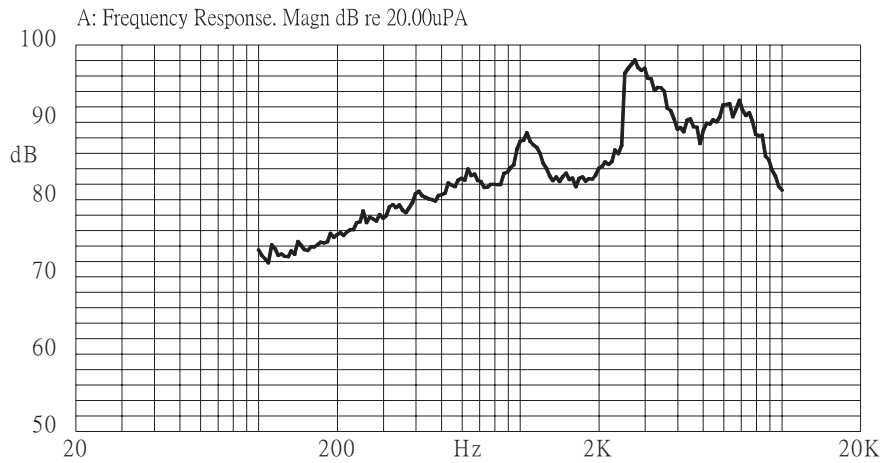


## MECHANICAL DRAWING

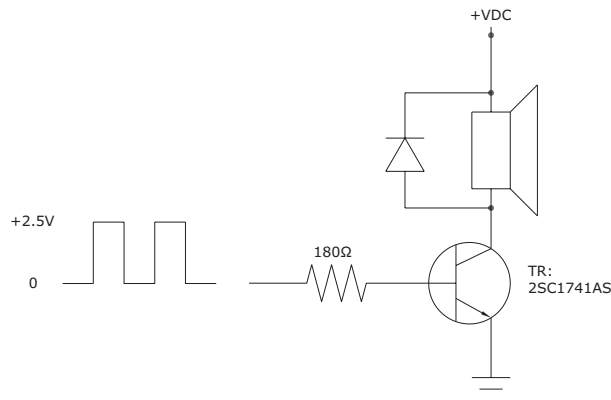
units: mm  
tolerance: ±0.5 mm



## FREQUENCY RESPONSE CURVE



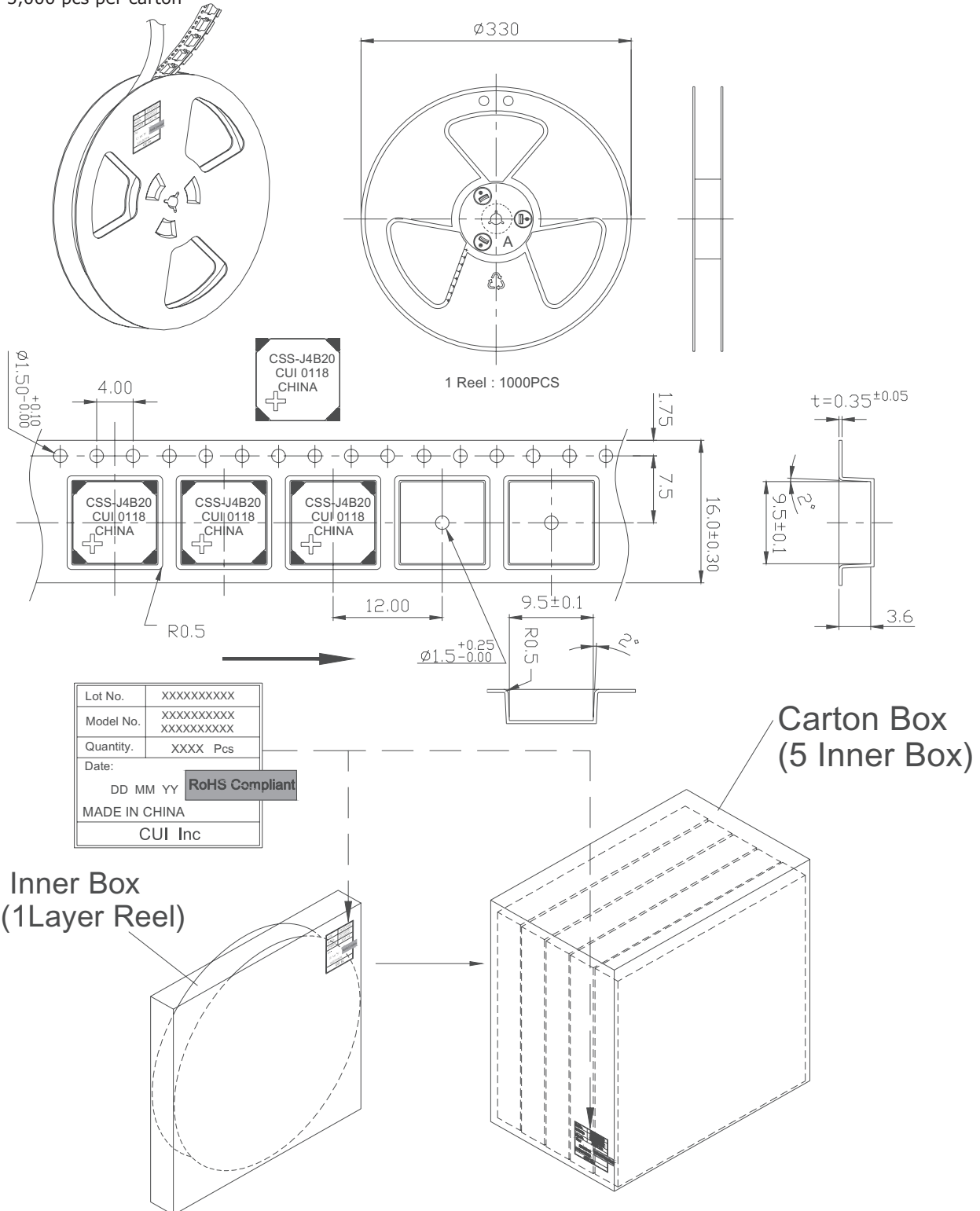
## MEASUREMENT METHOD



## 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

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rev.	description	date
1.0	initial release	11/13/2006
1.01	updated part number, added TR package option, applied new spec template	05/03/2013
1.02	added storage and drying conditions, and tape and reel packaging details	07/19/2019
1.03	brand update	01/06/2020

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

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