

MODEL: CBT-09427-SMT | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- surface mount
- side sound port
- externally driven
- high operating temperature range

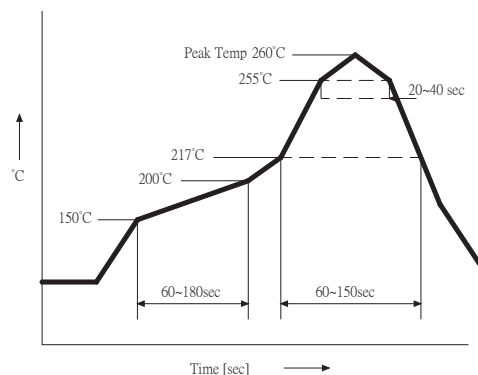
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage	Vo-p 		3.6		Vo-p
operating voltage	0V	2.5		4.5	Vo-p
current consumption	at rated voltage, 2,730 Hz square wave, 1/2 duty			110	mA
rated frequency			2,730		Hz
sound pressure level	at 10 cm (A-weight), rated voltage, 2,730 Hz square wave, 1/2 duty	83	87		dBA
coil resistance		13	16	19	Ω
dimensions	$\varnothing 9.0 \times 2.5$				mm
weight			0.8		g
material	LCP				
terminal	SMT type (Au plating)				
operating temperature		-40		85	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	2011/65/EU				

Notes: 1. All specifications measured at 5~35 $^{\circ}\text{C}$, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.
 2. Add suffix "-TR" to the model for tape and reel packaging.

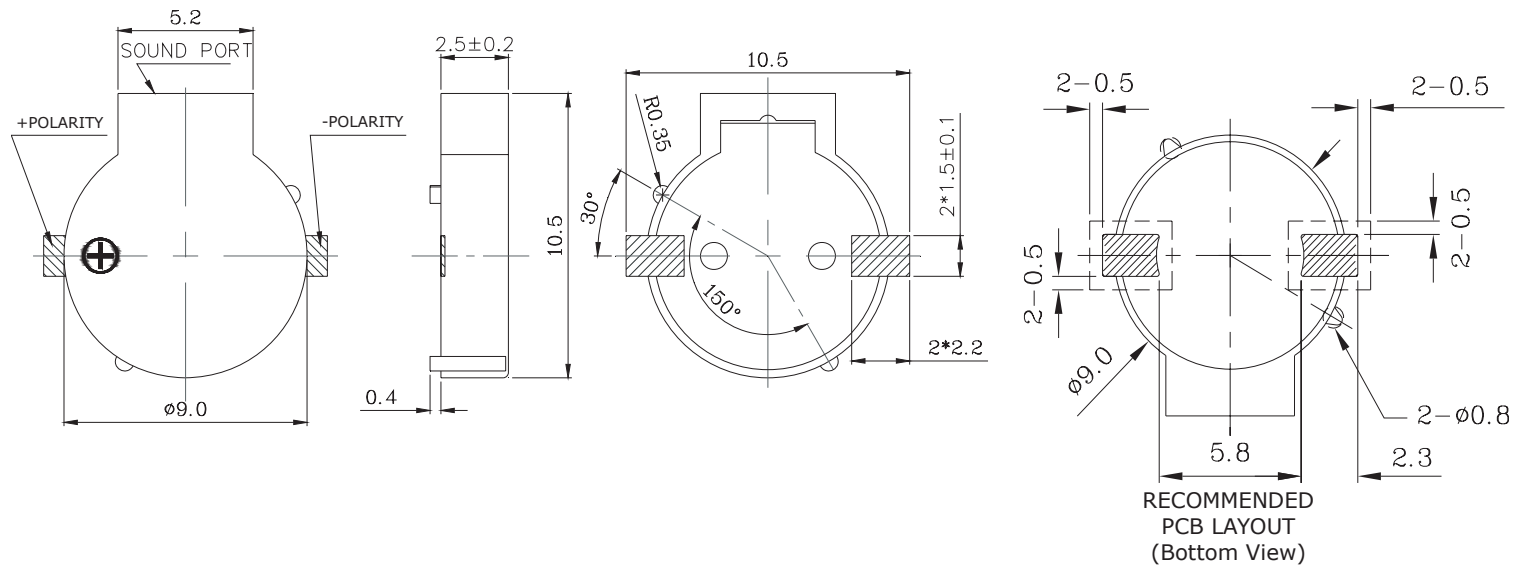
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow solder profile			260	$^{\circ}\text{C}$

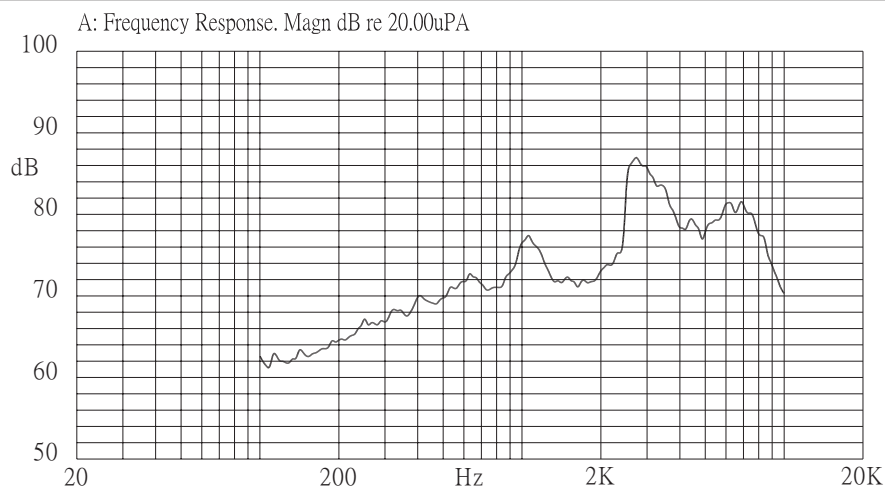


MECHANICAL DRAWING

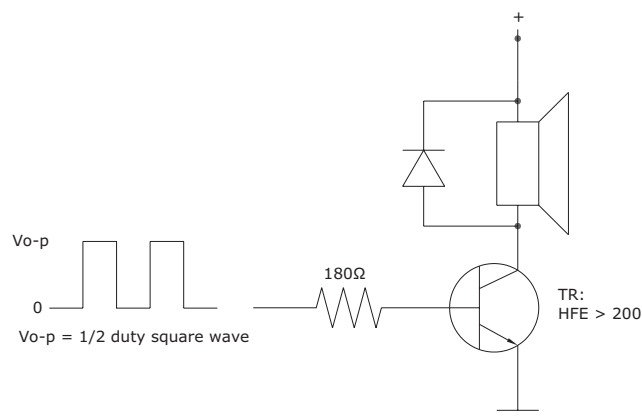
units: mm

tolerance: $\pm 0.5\text{mm}$ 

FREQUENCY RESPONSE CURVE



MEASUREMENT METHOD



REVISION HISTORY

rev.	description	date
1.0	initial release	09/11/2014
1.01	updated datasheet	03/13/2015

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



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