CUDEVICES

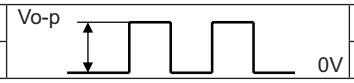
MODEL: CMT-1209-590T | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

FEATURES

- round
- 5 mm pin pitch
- rated frequency 2048 Hz

RoHS

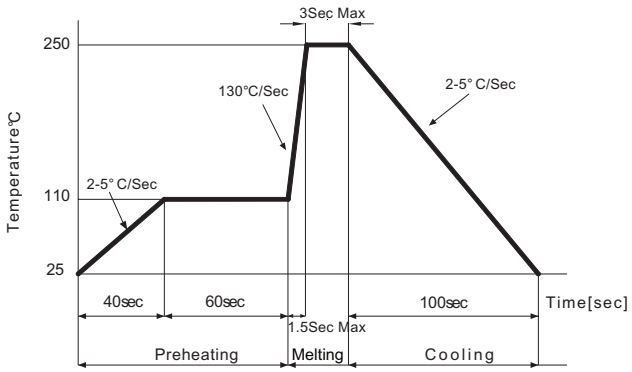
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage			5.0		Vo-p
operating voltage		3.0		7.0	Vo-p
current consumption	at rated voltage, 2,048 Hz, ½ duty square wave			65	mA
rated frequency			2,048		Hz
sound pressure level	at 10 cm, rated voltage, 2,048 Hz, ½ duty square wave	85	90		dBA
coil resistance		25	30	35	Ω
dimensions	Ø12.0 x 9.0				mm
weight				1.80	g
material	PBT (black)				
terminal	pins (tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	yes				
RoHS	yes				

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

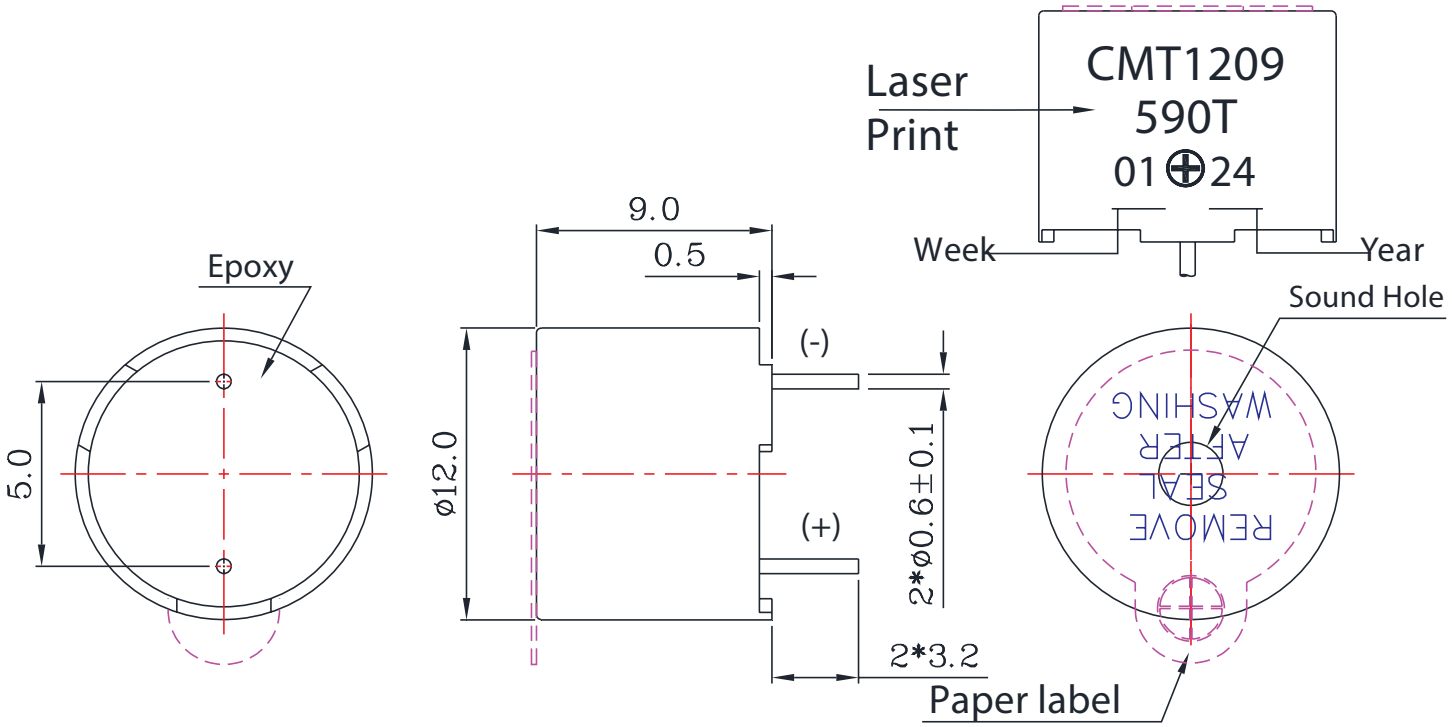
SOLDERABILITY

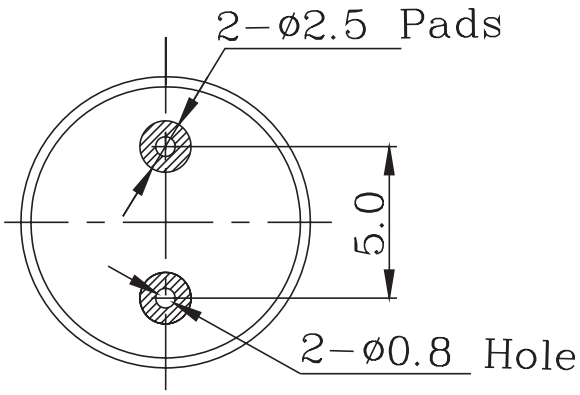
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	330		360	°C
wave soldering	see recommended wave soldering profile			250	°C



MECHANICAL DRAWING

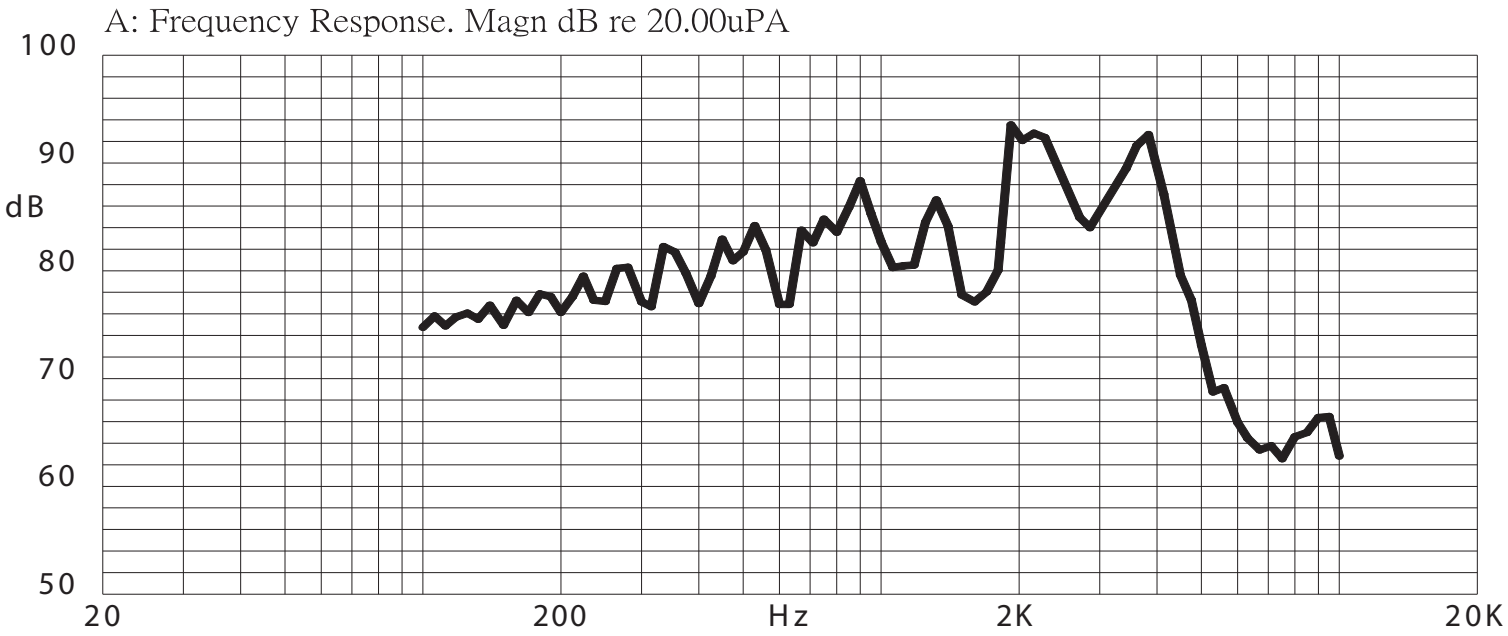
units: mm
tolerance: ±0.5 mm



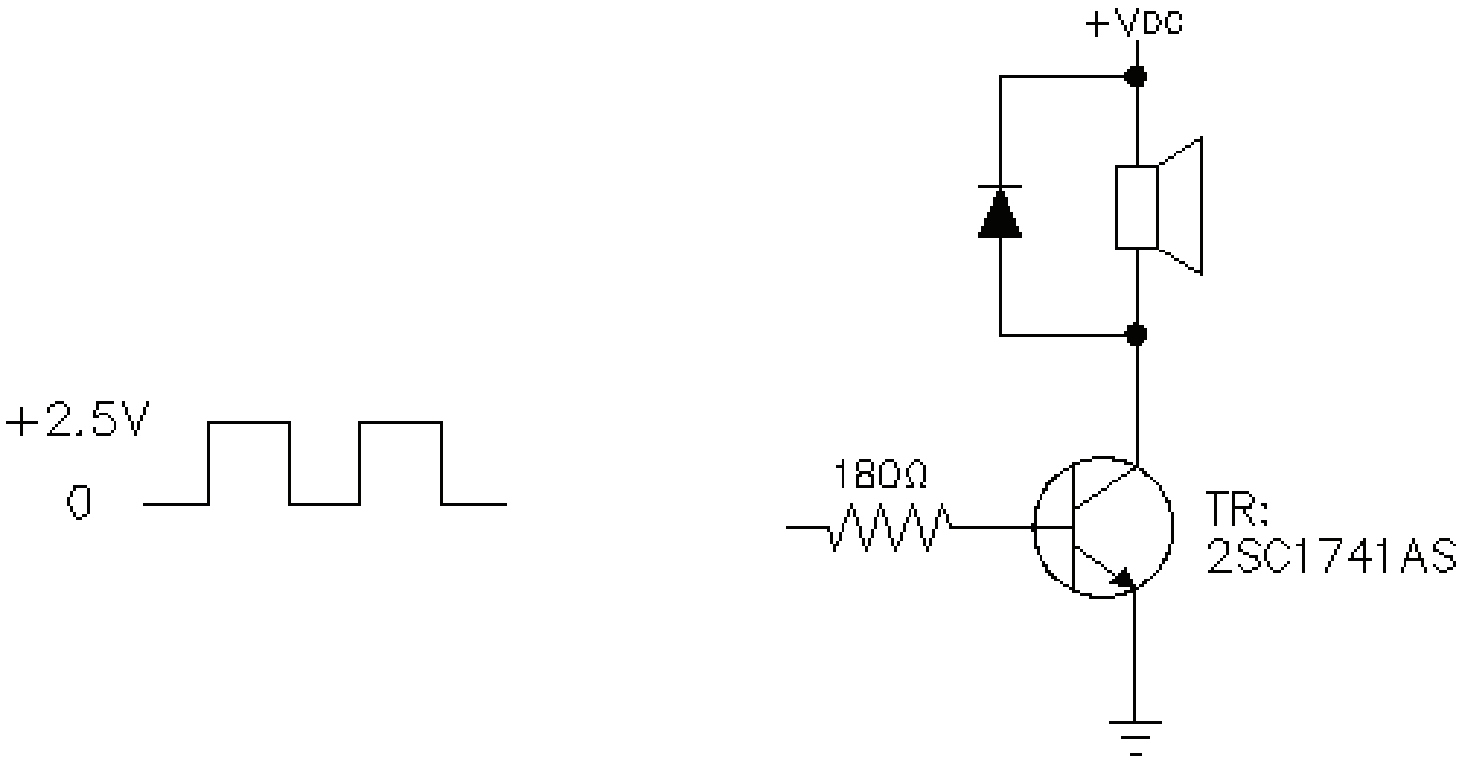


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT



REVISION HISTORY

rev.	description	date
1.0	initial release	04/30/2024

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