




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

FEATURES

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



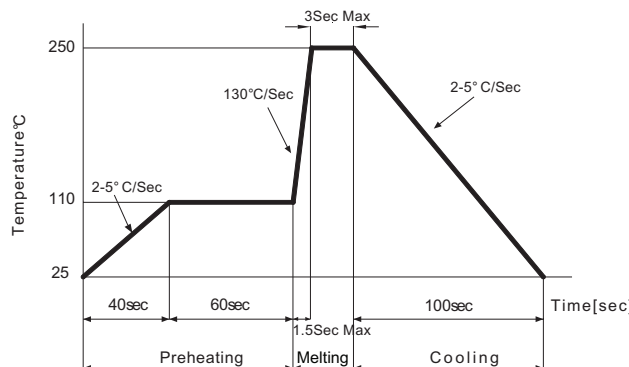
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	Vo-p 		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.

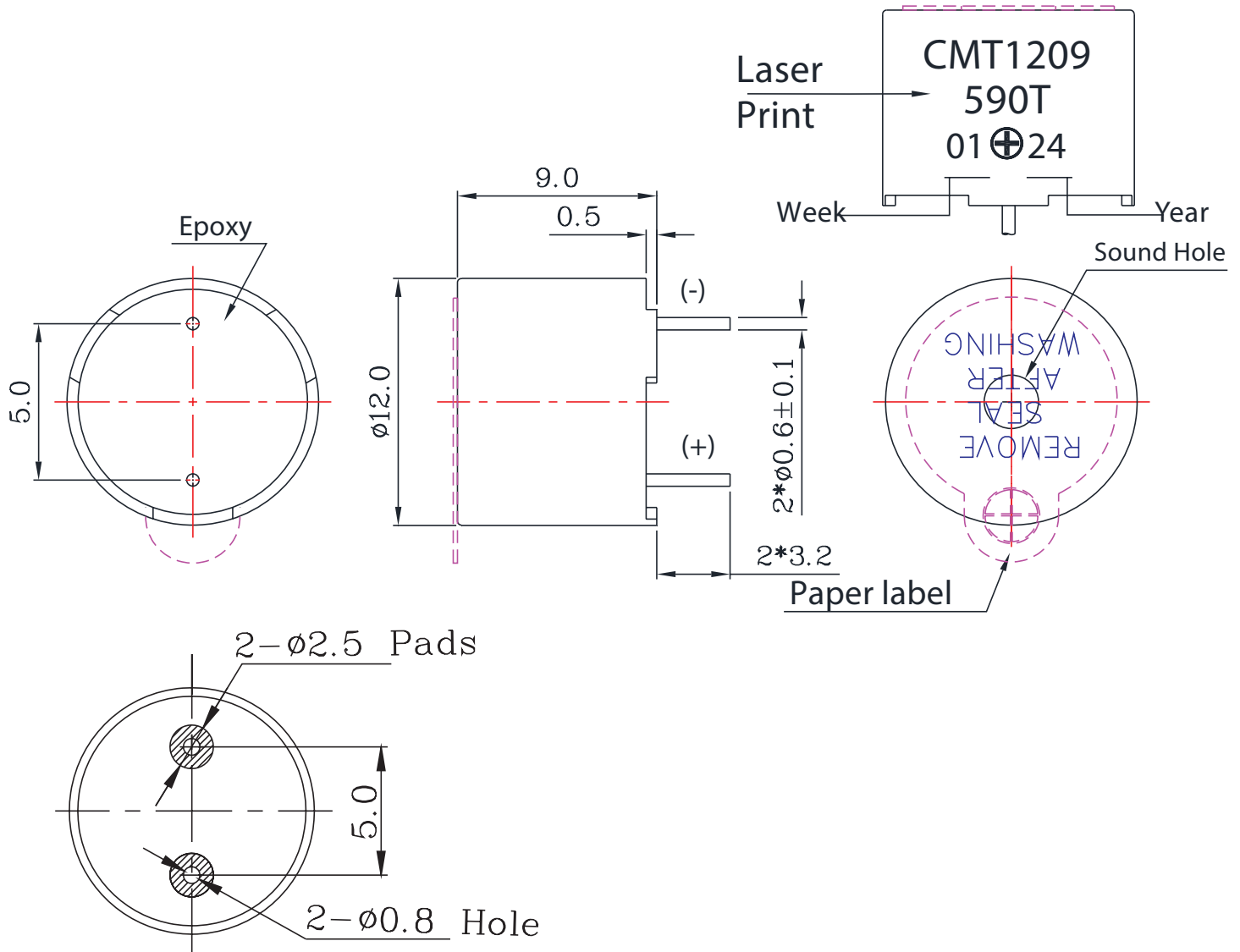
SOLDERABILITY

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



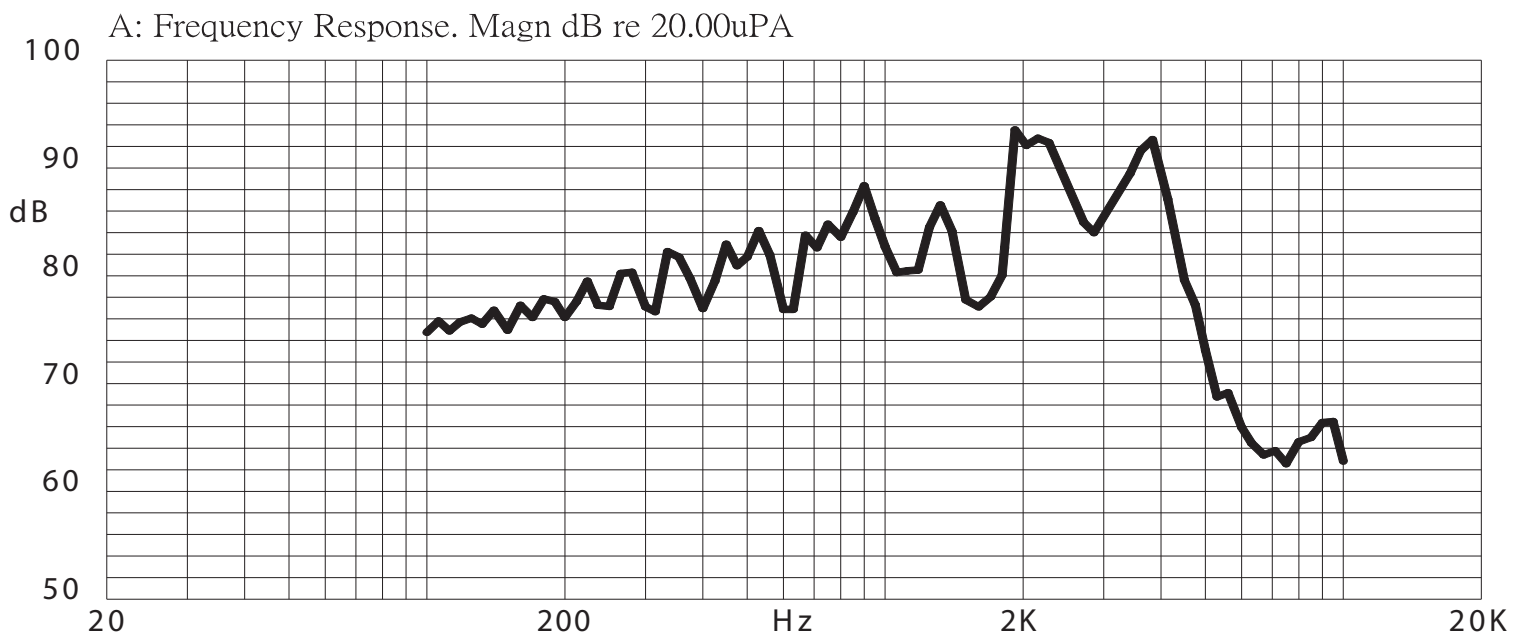
MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

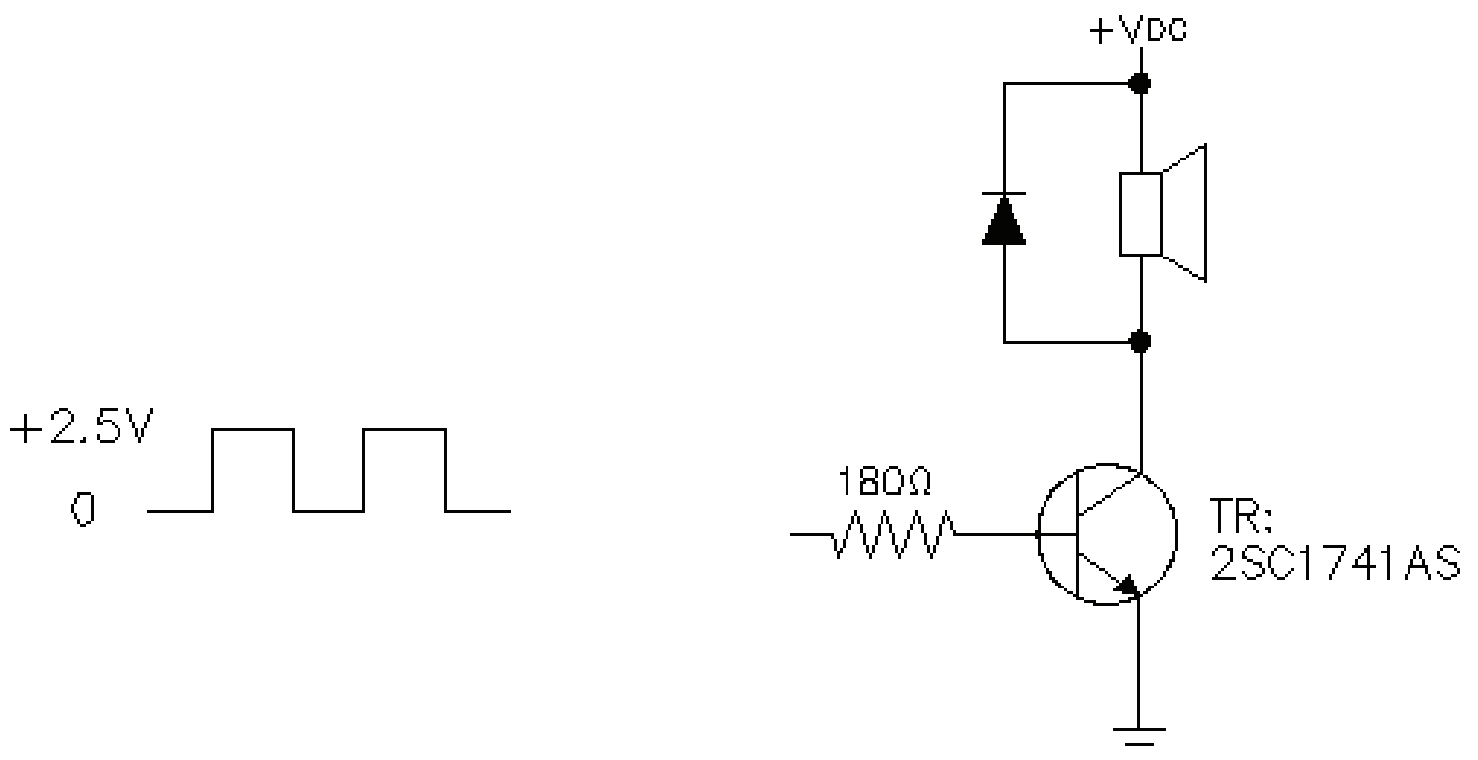


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT



REVISION HISTORY

rev.	description	date
1.0	initial release	04/30/2024
1.01	CUI Devices rebranded to Same Sky	09/11/2024

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

The logo for Same Sky, featuring the words "same sky" in a lowercase, sans-serif font. "same" is in a dark purple color, and "sky" is in a lighter purple color.

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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