


**MODEL:** CMT-1612-590T | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER

**FEATURES**

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

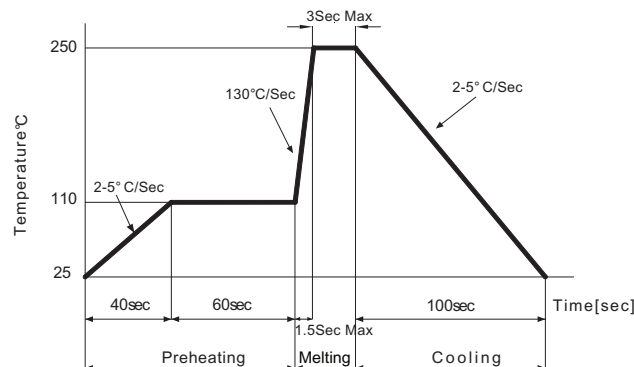

**SPECIFICATIONS**

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	Ø16.0 x 12.0				mm
weight				4.6	g
material	PPD (black)				
terminal	pins (tin plating)				
operating temperature		-35		80	°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.

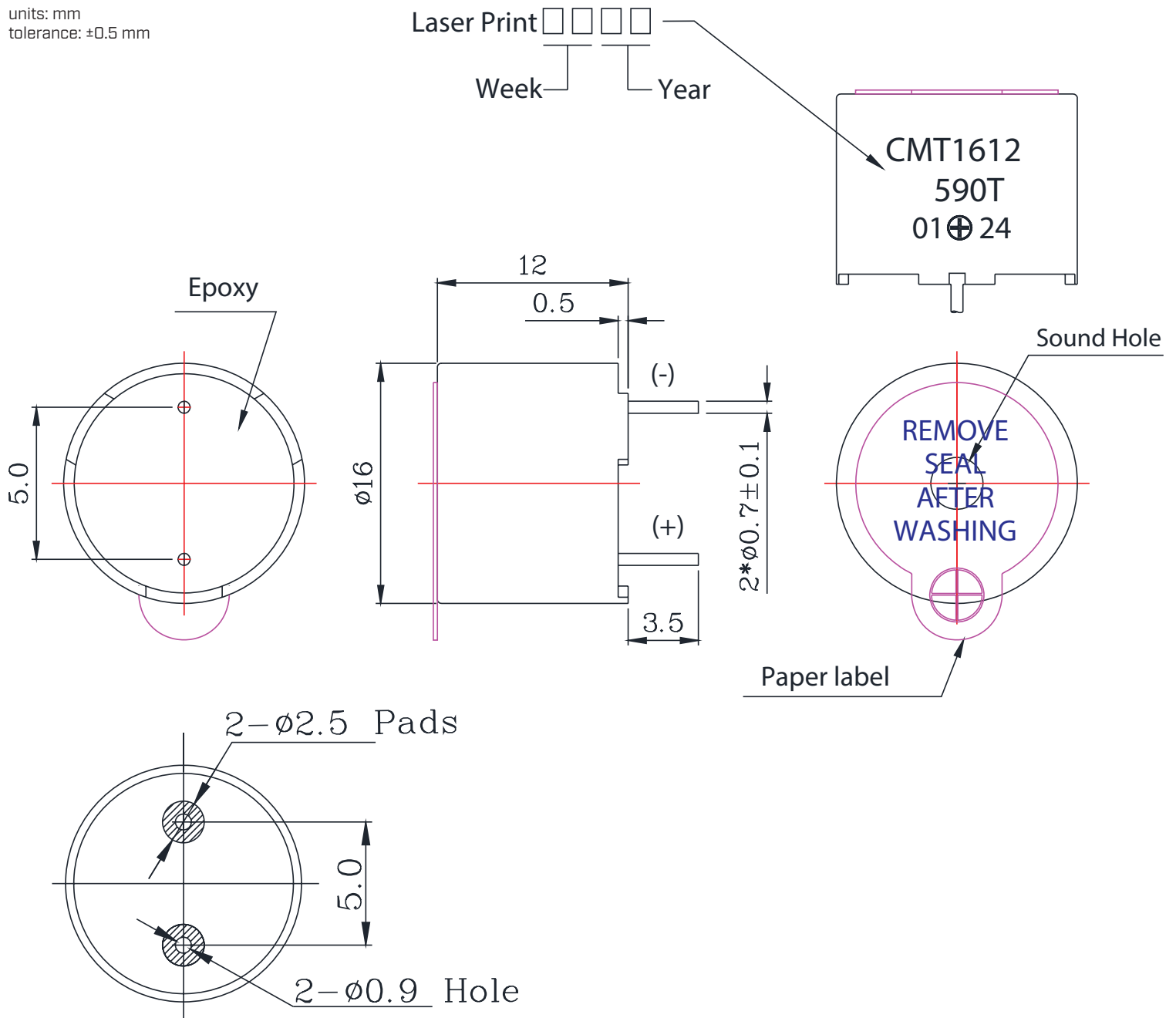
**SOLDERABILITY**

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



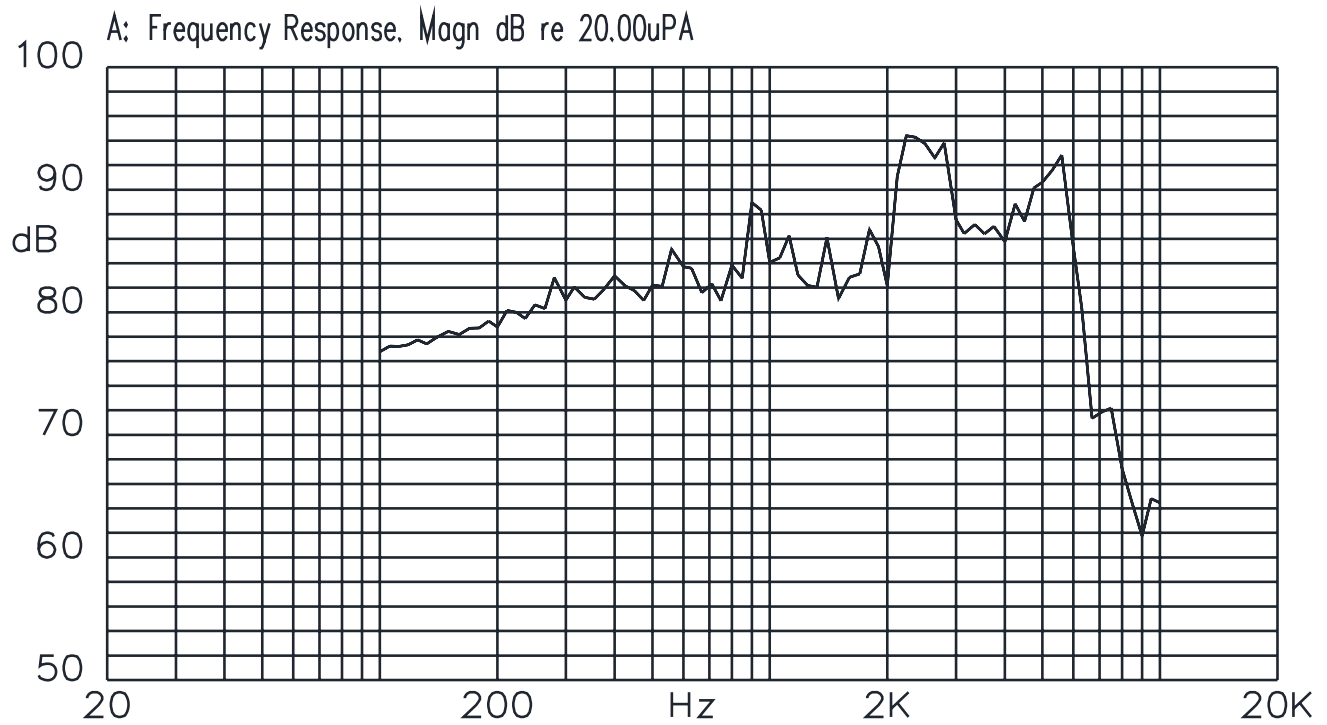
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

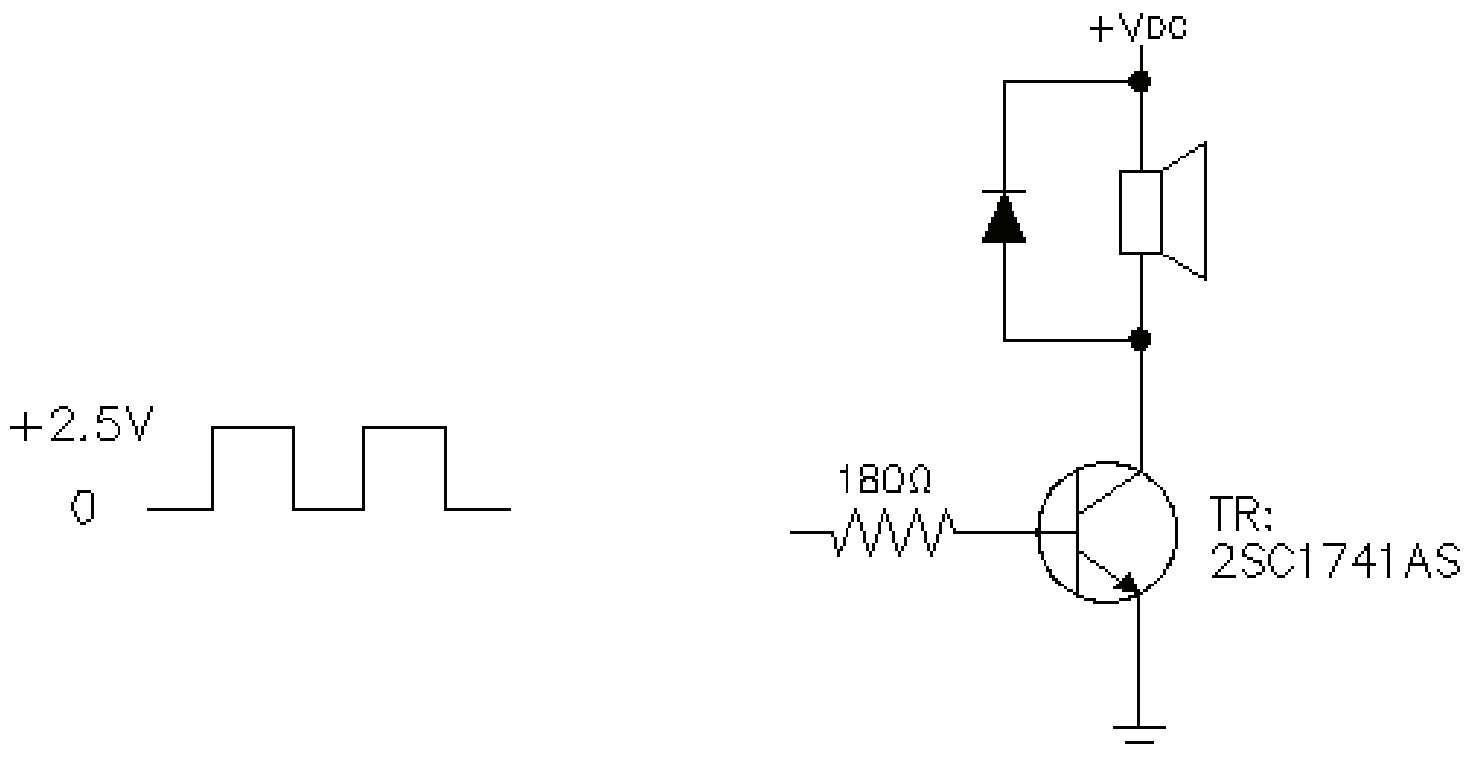


Recommended PCB Layout  
Top View

## FREQUENCY RESPONSE CURVE



## APPLICATION CIRCUIT



## REVISION HISTORY

rev.	description	date
1.0	initial release	05/01/2024

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



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