


**MODEL:** CMT-0502-03-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER

## FEATURES

- magnetic
- no driving circuit
- surface mount



## SPECIFICATIONS

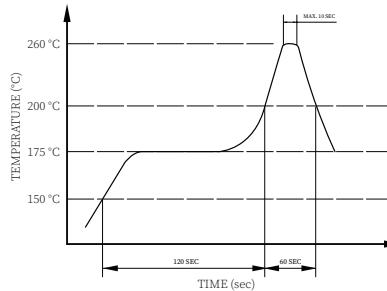
parameter	conditions/description	min	typ	max	units	
rated voltage	vo-p			3	vo-p	
operating voltage	vo-p			2	4	vo-p
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			110	mA	
rated frequency				4,000	Hz	
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave		75		dB	
coil resistance		9	12	15	Ω	
dimensions	5 x 5 x 2				mm	
weight		0.05	0.10	0.15	g	
material	LCP [UL94V-0]					
terminal	surface mount (tin plating)					
operating temperature		-40		80	°C	
storage temperature		-40		80	°C	
washable	no					
RoHS	yes					

Notes: 1. All specifications measured at 25±5°C, humidity at 35~70%, under 86-106 kPa pressure, unless otherwise noted.

## SOLDERABILITY

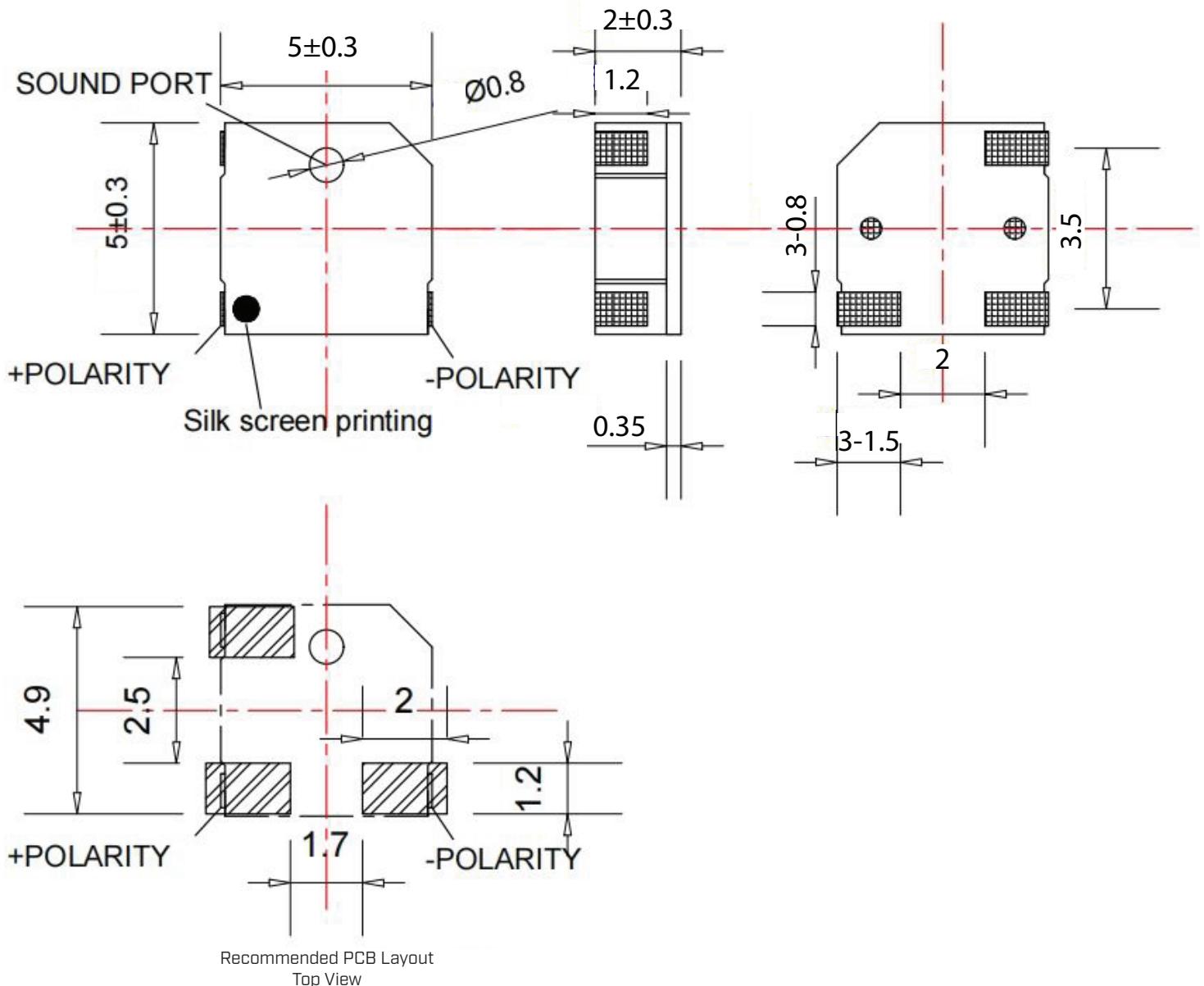
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <40%			25	°C
reflow soldering <sup>2</sup>	see recommended reflow soldering profile			260	°C
drying conditions <sup>3</sup>	bake at 40°C for 24 hours				

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. Not recommended to exceed 2 reflow cycles.  
3. When out of packaging for more than 48 hours.



## MECHANICAL DRAWING

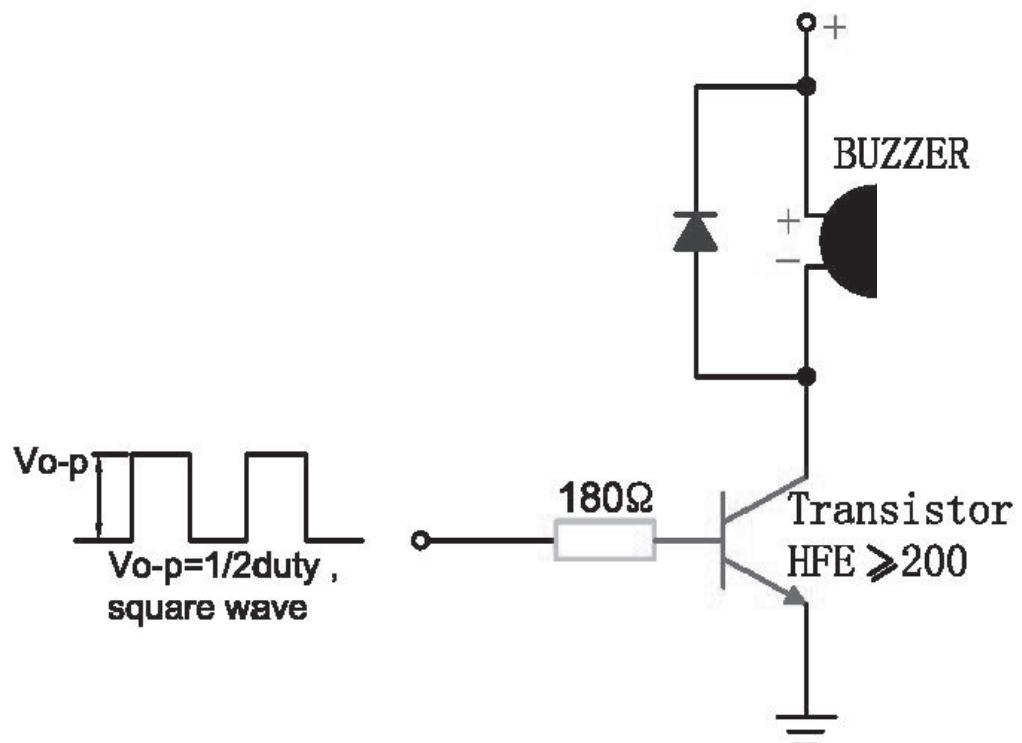
units: mm  
tolerance:  $\pm 0.3$  mm



## FREQUENCY RESPONSE CURVE



## APPLICATION CIRCUIT



# PACKAGING

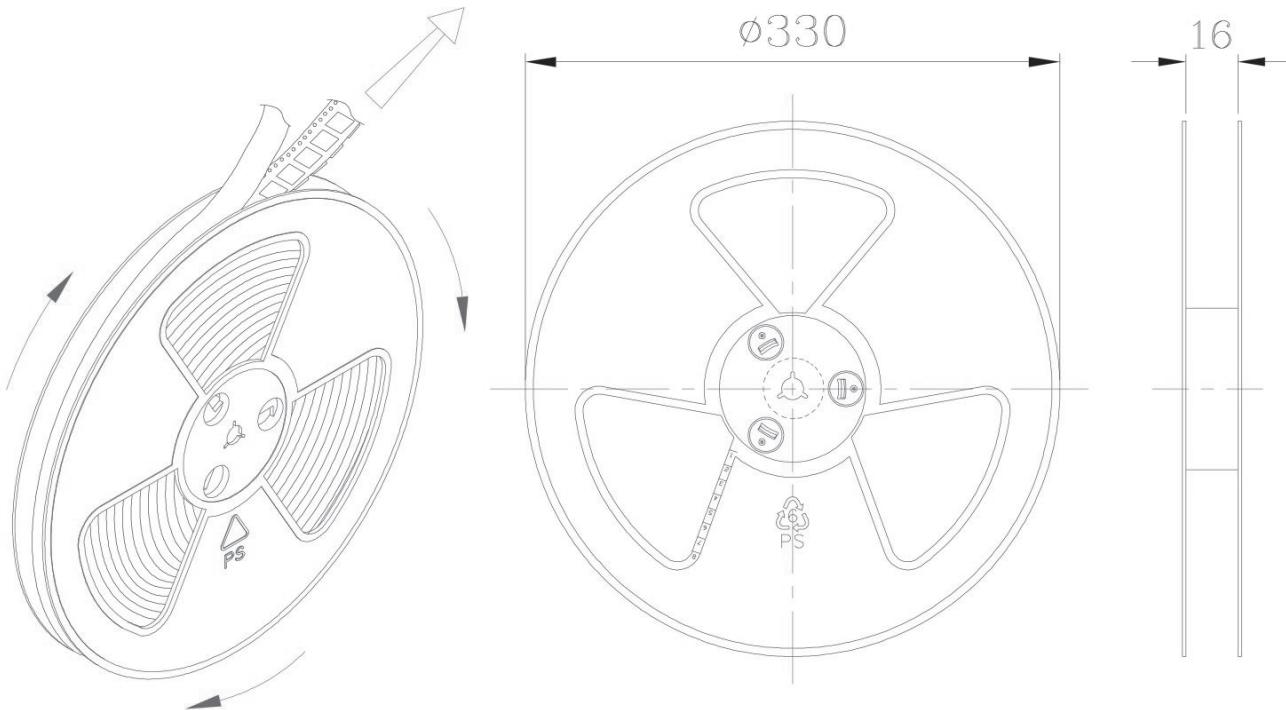
units: mm

Reel Size: Ø330 mm

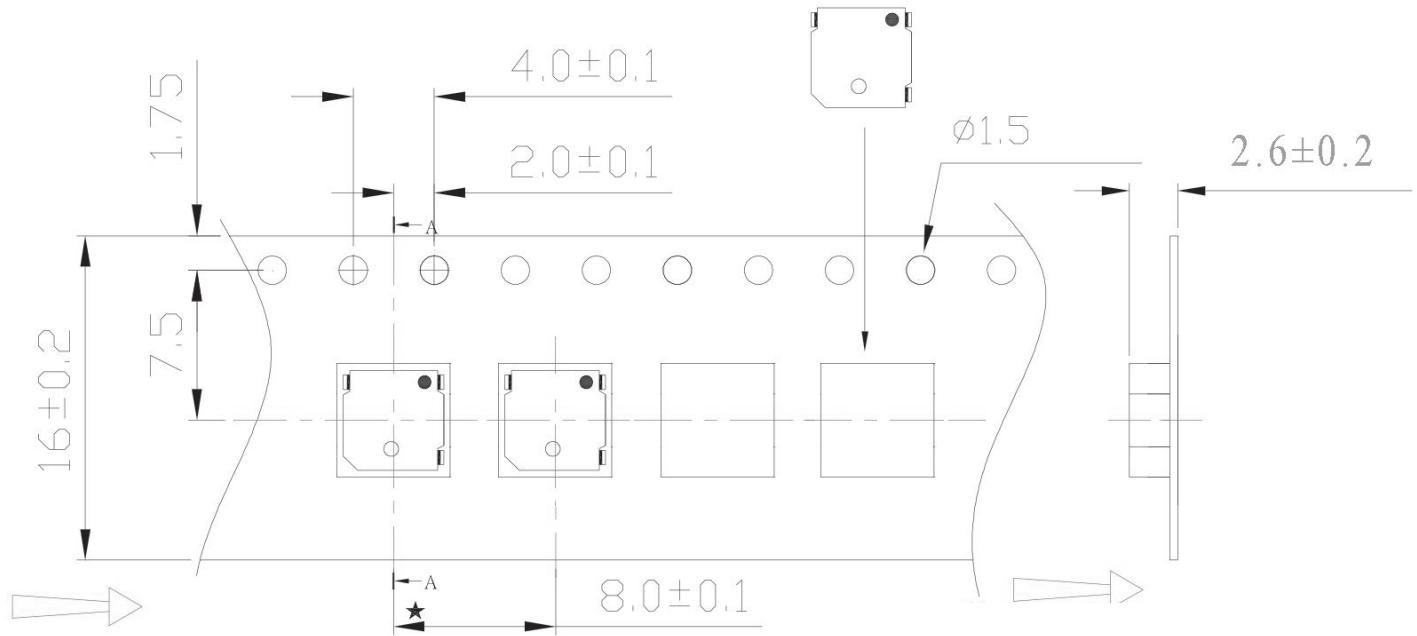
Reel QTY: 3,000 pcs per reel

Carton Size: 370 x 350 x 350 mm

Carton QTY: 30,000 pcs per carton



1 Reel : 3000PCS



## REVISION HISTORY

rev.	description	date
1.0	initial release	09/13/2024

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



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.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

[sameskydevices.com](http://sameskydevices.com)