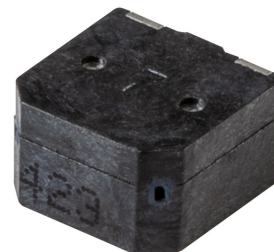



**MODEL:** CMT-6504-85-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- magnetic
- 90 dB @ 0.1 m
- side contacts

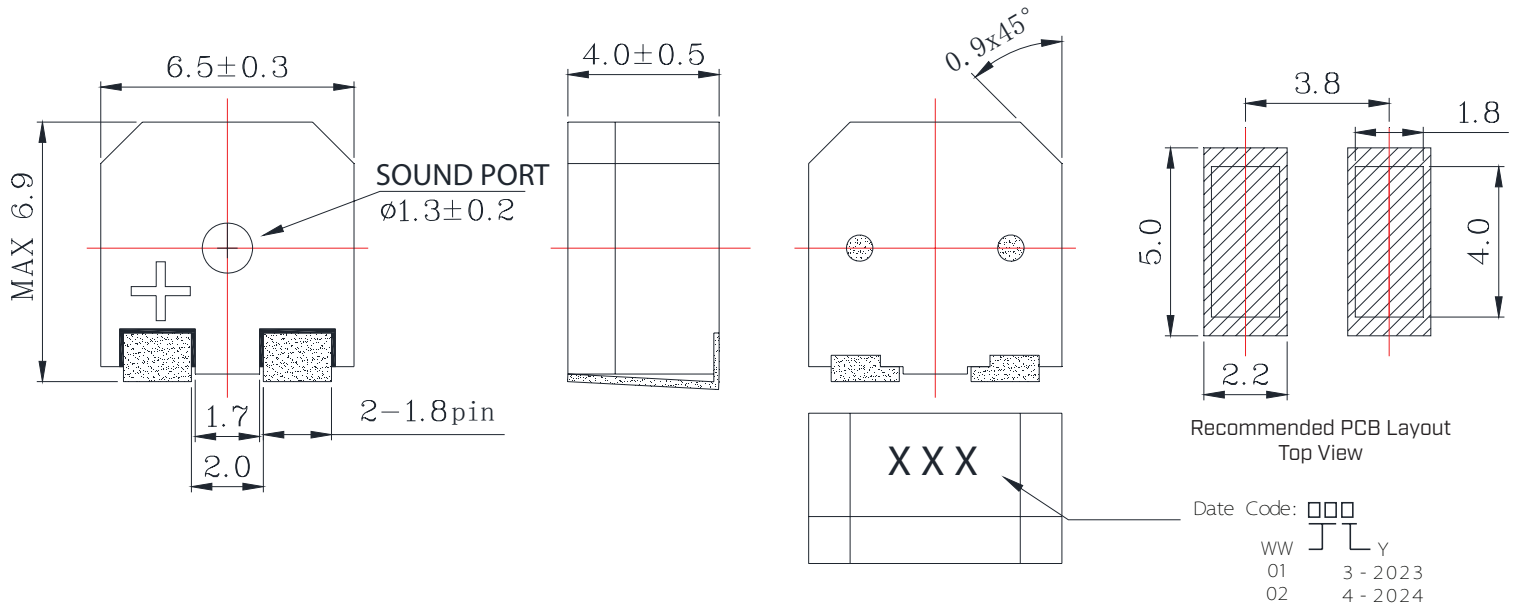
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage			3.6		Vo-p
operating voltage		2.5		4.5	Vo-p
current consumption	at rated voltage, 2,700Hz, ½ duty square wave			120	mA
rated frequency			2,700		Hz
sound pressure level	at 10 cm, rated voltage, 2,700 Hz, ½ duty square wave	85	90		dBA
coil resistance		10	12	14	Ω
dimensions	6.5 x 6.5 x 4				mm
weight			0.8		g
material	LCP				
terminal	surface mount (tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	no				
RoHS	yes				

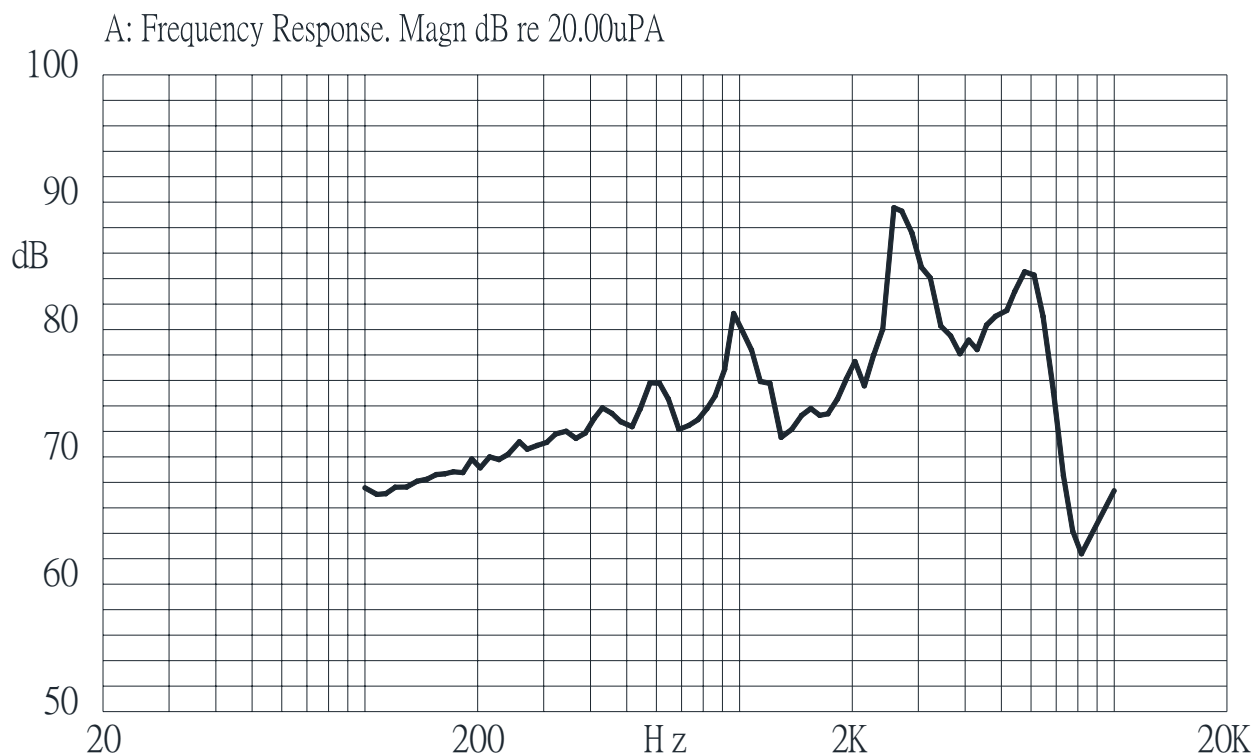
Notes: 1. All specifications measured at 5-35 °C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

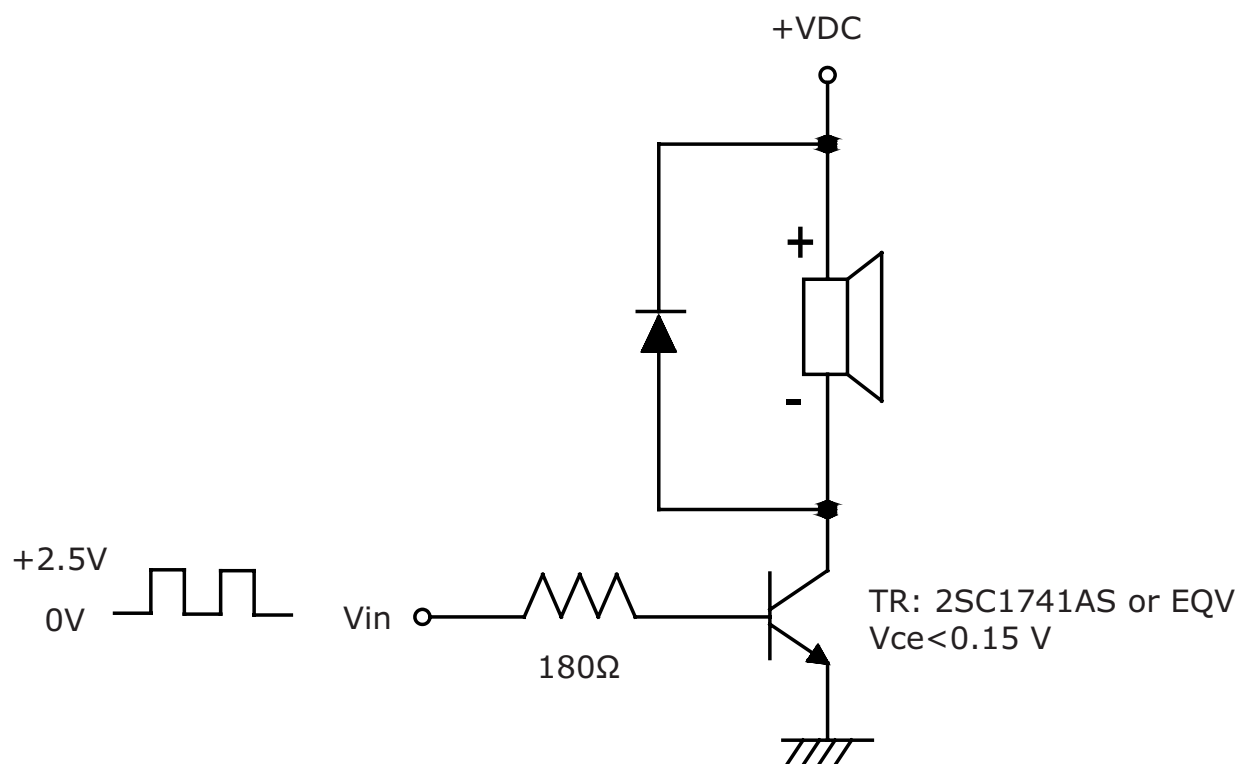
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



## APPLICATION CIRCUIT

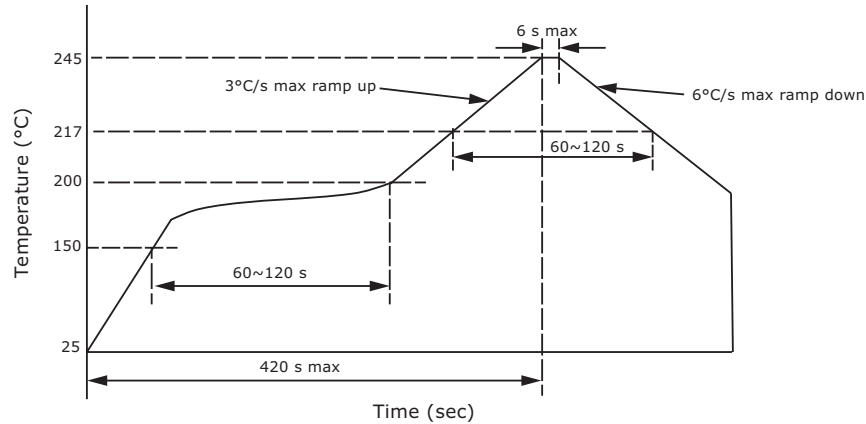


## SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering <sup>4</sup>	as per IPC/JEDEC J-STD-020C		240	245	°C
drying conditions <sup>5</sup>	bake at 40°C for 24 hours				

Note:

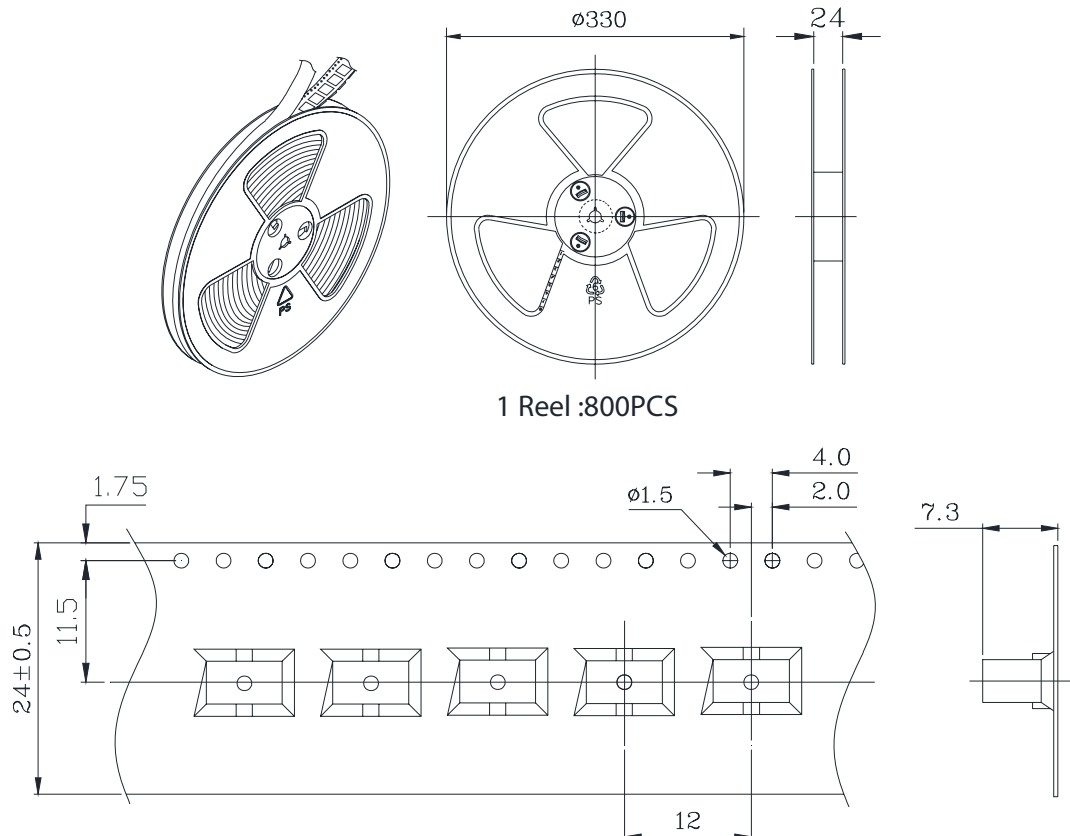
2. Not suitable for wash process.
3. It is recommended to reflow solder only once.
4. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
5. When out of packaging for more than 48 hours.



## PACKAGING

parameter	conditions/description	min	typ	max	units
reel storage <sup>6</sup>	at relative humidity 15~85%	-10		40	°C
MSL	Class 4				
reel QTY	800				
carton QTY	8,000				

Note: 6. Recommended floor life (out of sealed bag) at <30°C, 60%RH is 72 hours.



## REVISION HISTORY

rev.	description	date
1.0	initial release	12/19/2023

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



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

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