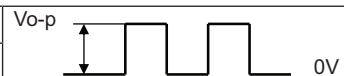


**MODEL:** CMT-85853-97-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- 3.6 Vo-p rated voltage
- 97 dBA

**SPECIFICATIONS**

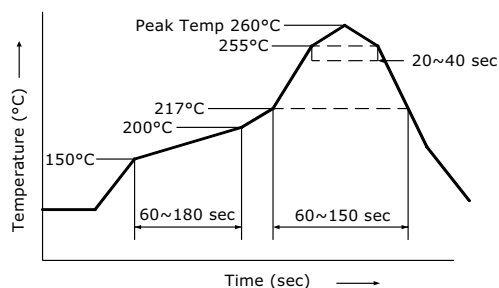
parameter	conditions/description	min	typ	max	units
rated voltage	Vo-p 		3.6		Vo-p
operating voltage		3.0		5.0	Vo-p
current consumption	at rated voltage, 2,730 Hz, ½ duty square wave			80	mA
rated frequency			2,730		Hz
sound pressure level	at 5 cm, rated voltage, 2,730 Hz, ½ duty square wave	90	97		dBA
coil resistance		17	20	23	Ω
dimensions	8.5 x 8.5 x 3.0				mm
weight			0.5		g
material	LCP				
terminal	surface mount (tin plating)				
operating temperature		-40		85	°C
storage temperature		-45		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.

**SOLDERABILITY**

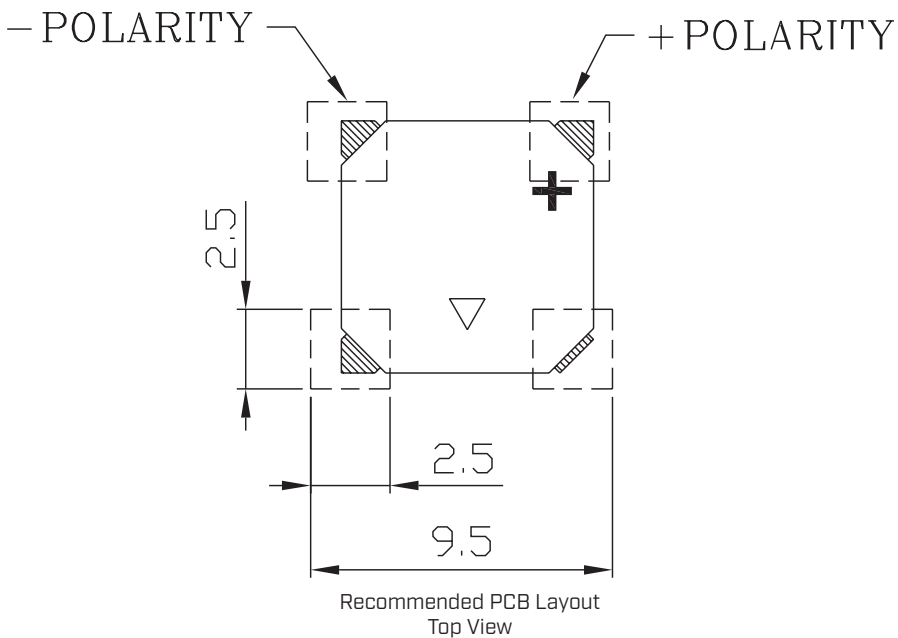
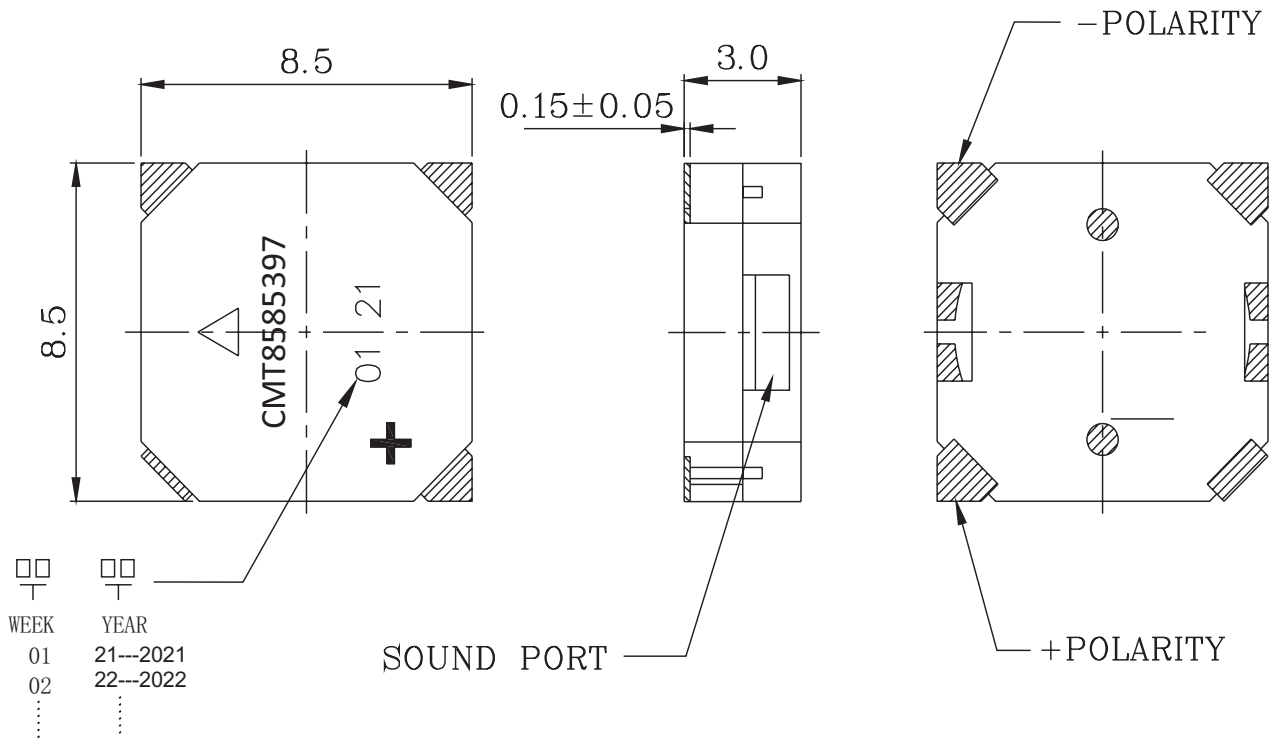
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <40%			25	°C
reflow soldering <sup>2</sup>	see recommended reflow soldering profile			260	°C
drying conditions <sup>3</sup>	bake at 40°C for 24 hours				

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.  
3. When out of packaging for more than 48 hours.

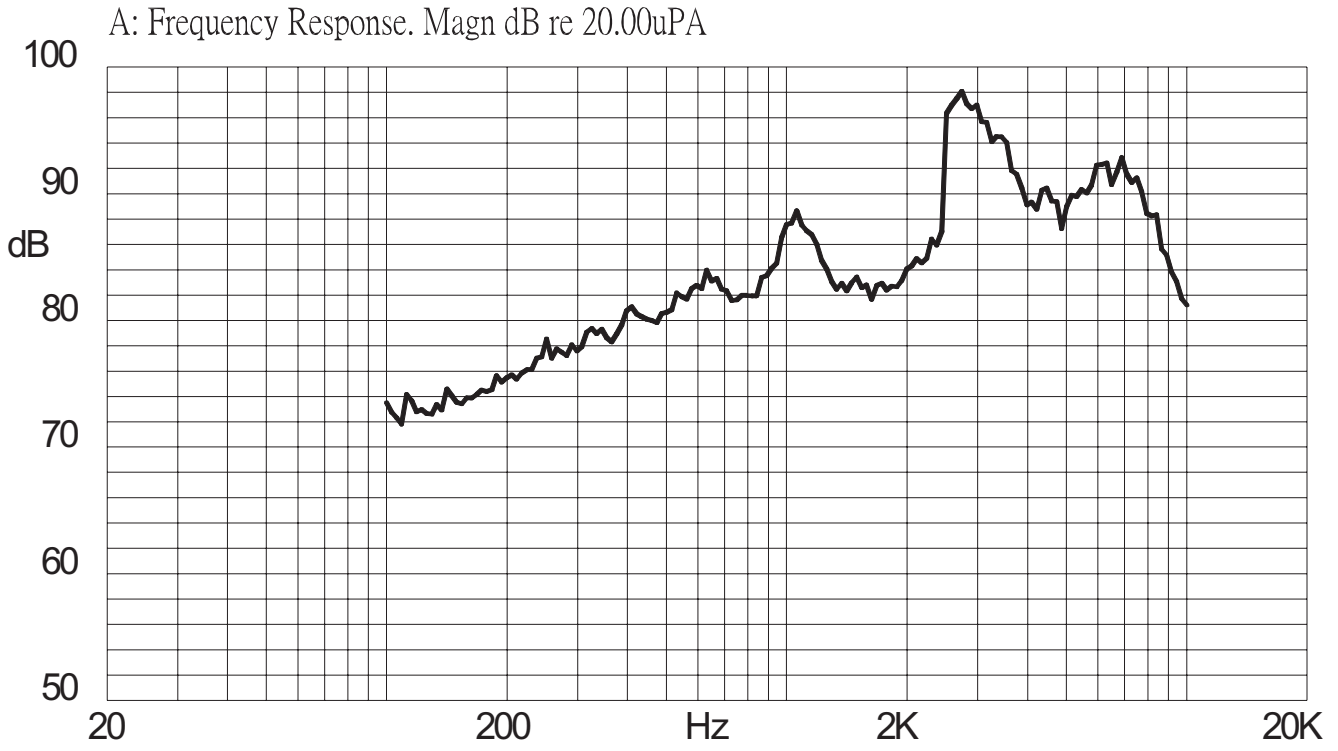


## MECHANICAL DRAWING

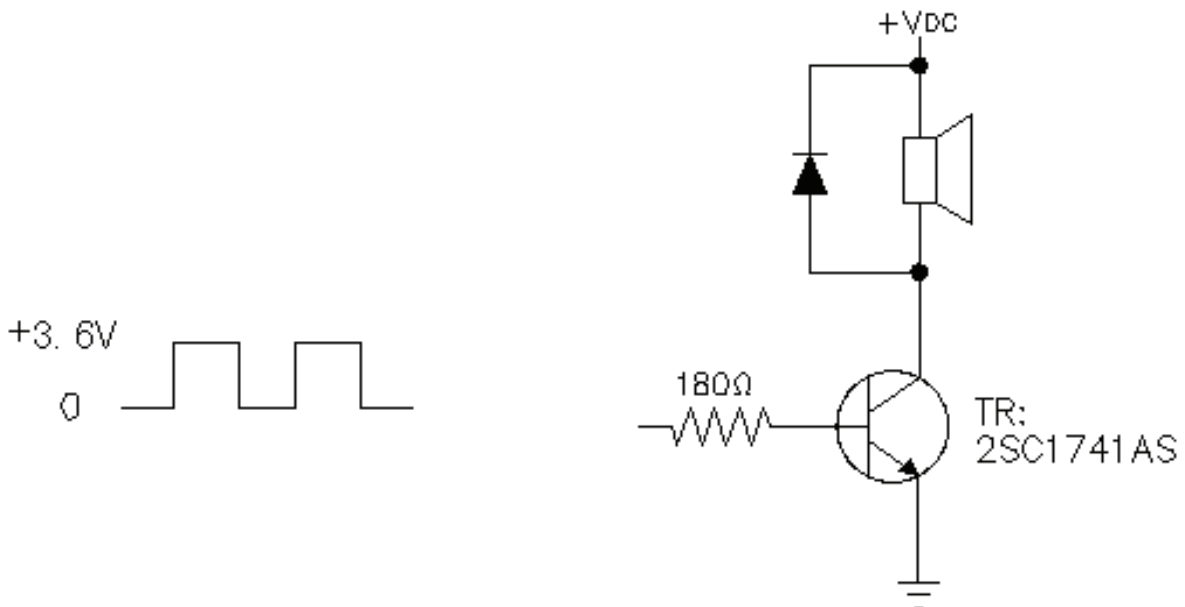
units: mm  
tolerance: ±0.5 mm



## FREQUENCY RESPONSE CURVE



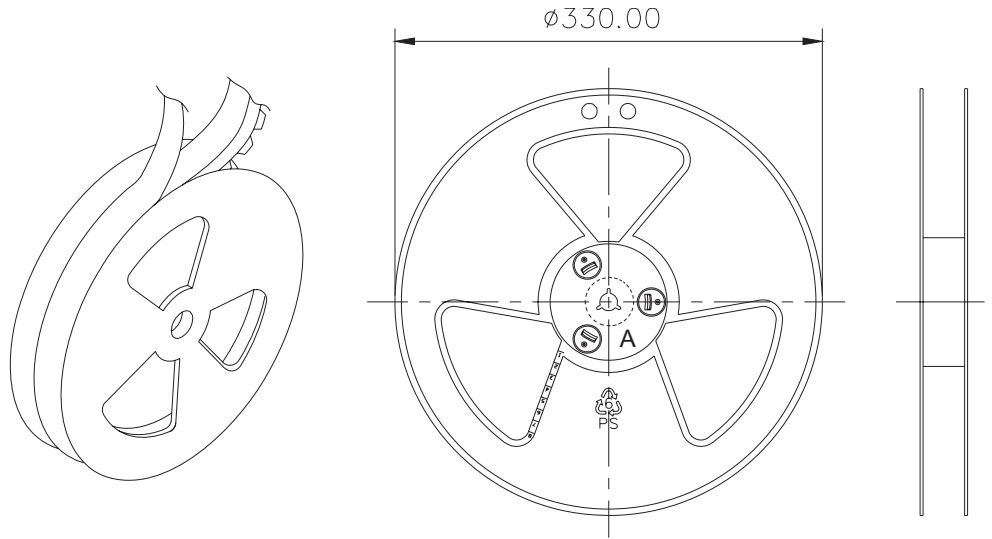
## APPLICATION CIRCUIT



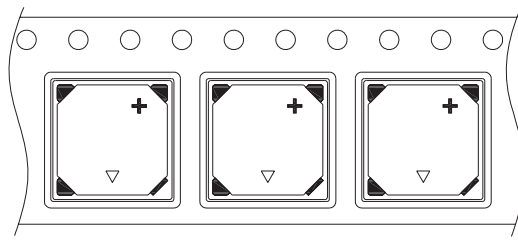
## PACKAGING

units: mm

Inner Carton Size: 340 x 340 x 40 mm  
 Carton Size: 350 x 355 x 175 mm  
 Inner Carton QTY: 1,000 pcs per reel  
 Carton QTY: 5,000 pcs per carton

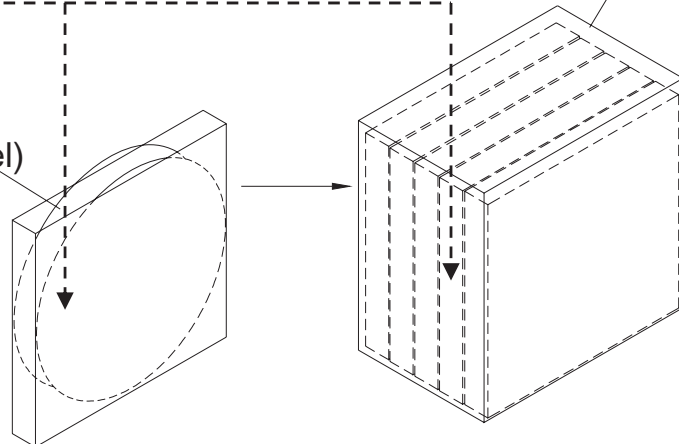


Lot No.	XXXXXXXXXX
Part No.	XXXXXXXXXX XXXXXXXXXX
Quantity.	XXXX Pcs
Date:	DD MM YY <b>RoHs Compliant</b>
MADE IN CHINA	
CUI DEVICES	



Inner Box  
(1 Layer Reel)

Carton Box  
(5 Inner Box)



## REVISION HISTORY

rev.	description	date
1.0	initial release	07/07/2021
1.01	logo, datasheet style update	08/05/2022

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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