CUDEVICES

MODEL: CMT-1271-88-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER

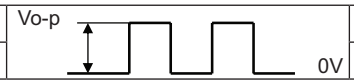
FEATURES

- surface mount
- SPL 88 dB
- magnetic
- externally driven



RoHS

SPECIFICATIONS

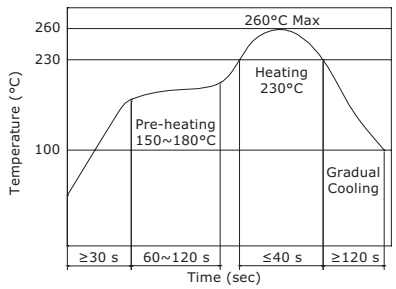
parameter	conditions/description	min	typ	max	units
rated voltage			5.0		Vo-p
operating voltage		3.0		7.0	Vo-p
current consumption	at rated voltage, 2,400 Hz, ½ duty square wave			40	mA
rated frequency			2,400		Hz
sound pressure level	at 10 cm, rated voltage, 2,400 Hz, ½ duty square wave	88			dB
coil resistance		40	45	50	Ω
dimensions	12.8 x 12.8 x 7.1				mm
weight			2.0		g
material	PPS				
terminal	surface mount (brass)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	yes				
RoHS	yes				

Notes: 1. All specifications measured at 25±3°C, humidity at 60~70%, under 86~106 kPa pressure, unless otherwise noted.

SOLDERABILITY

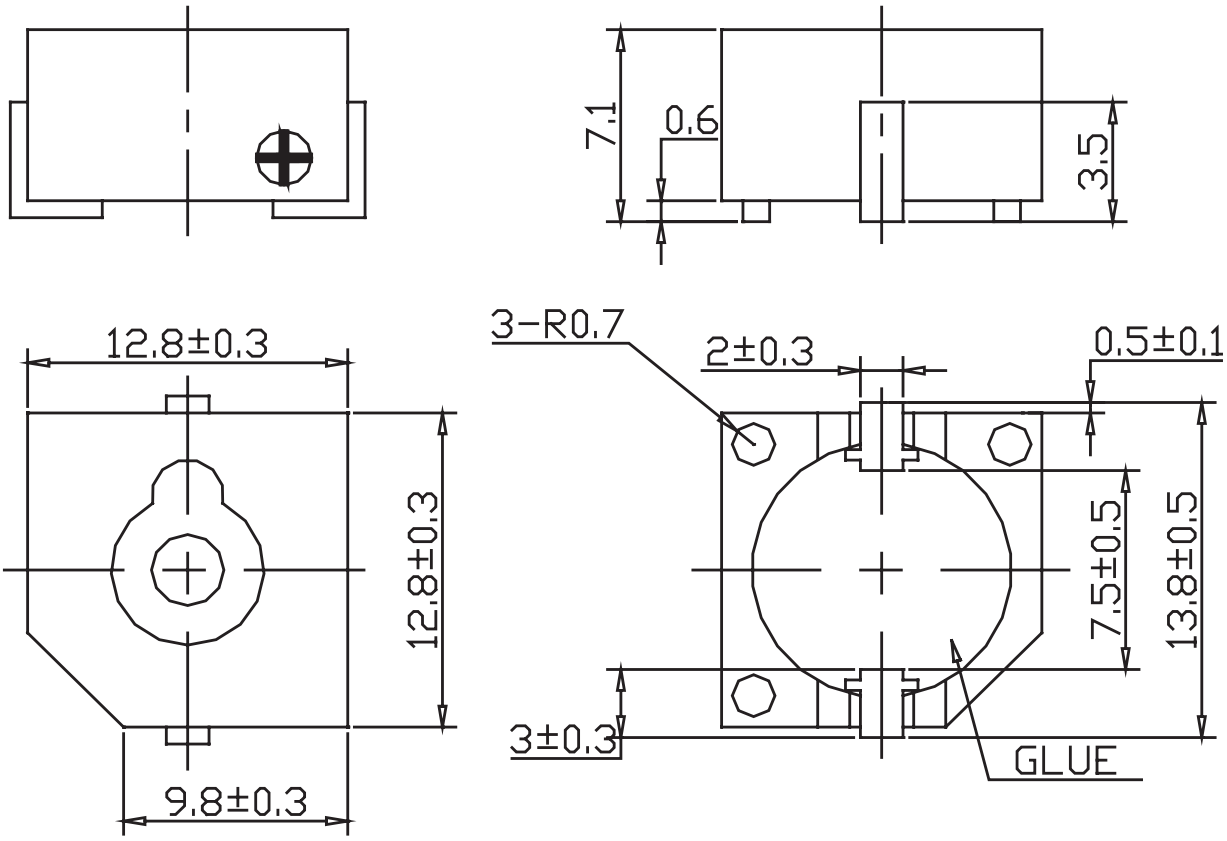
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			25	°C
reflow soldering[2]	see recommended reflow soldering profile			260	°C
drying conditions[3]	bake at 40°C for 24 hours				

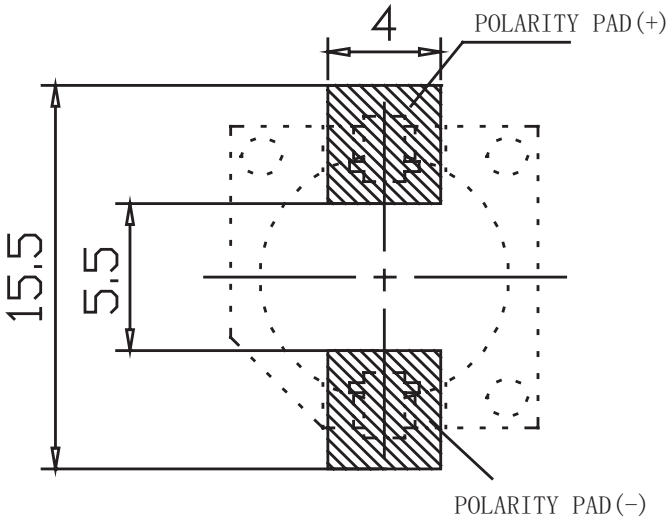
Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
3. When out of packaging for more than 48 hours.



MECHANICAL DRAWING

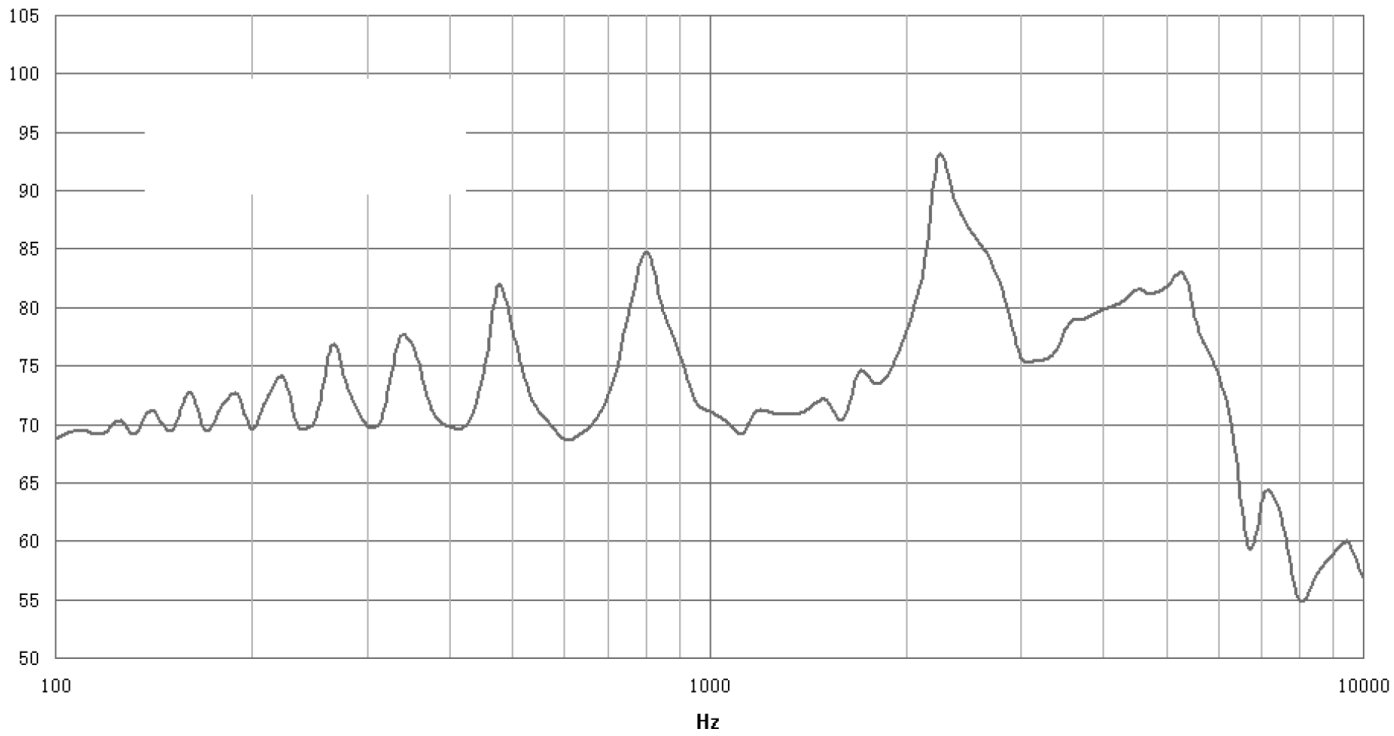
units: mm
tolerance: ±0.5 mm



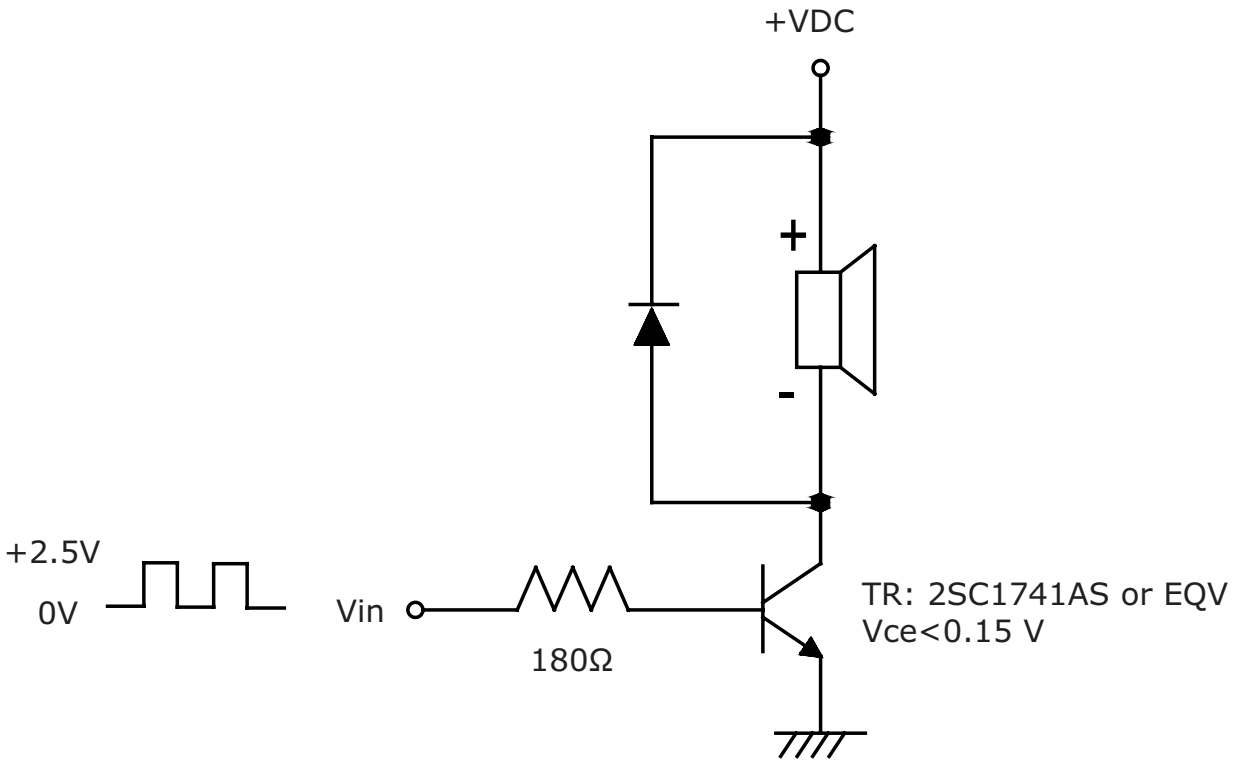


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



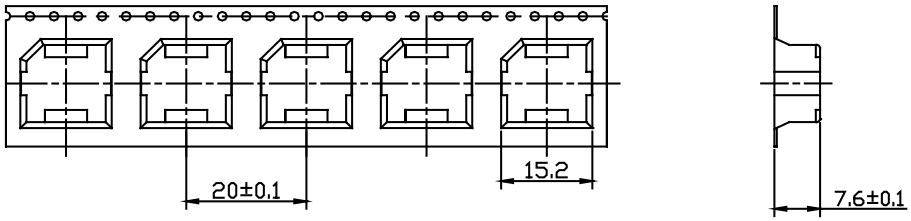
APPLICATION CIRCUIT

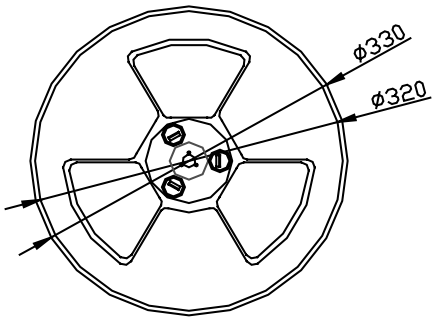


PACKAGING

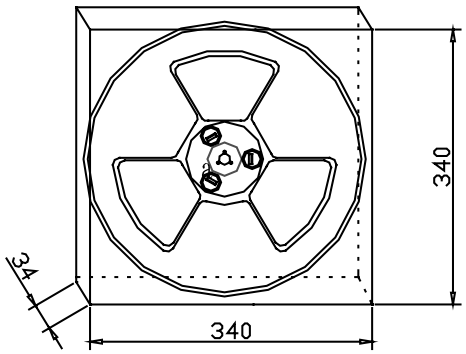
units: mm

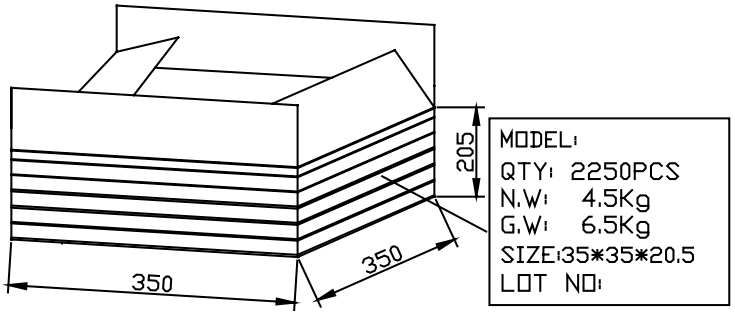
Reel Size: Ø330 mm
Reel QTY: 450 pcs per reel
Carton Size: 350 x 350 x 205 mm
Carton QTY: 2,250 pcs per carton





450PCS





REVISION HISTORY

rev.	description	date
1.0	initial release	01/22/2020
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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