



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

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

**SPECIFICATIONS**

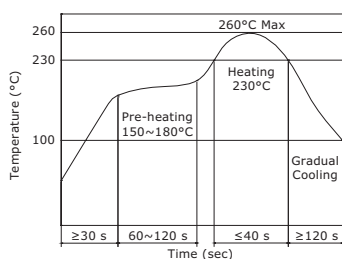
parameter	conditions/description	min	typ	max	units
rated voltage			5.0		Vo-p
operating voltage		3.0		7.0	Vo-p
current consumption	at rated voltage, 2,400 Hz, 1/2 duty square wave			40	mA
rated frequency			2,400		Hz
sound pressure level	at 10 cm, rated voltage, 2,400 Hz, 1/2 duty square wave	88			dB
coil resistance		40	45	50	$\Omega$
dimensions	12.8 x 12.8 x 7.1				mm
weight			2.0		g
material	PPS				
terminal	surface mount (brass)				
operating temperature		-40		85	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
washable	yes				
RoHS	yes				

Notes: 1. All specifications measured at 25 $\pm$ 3 $^{\circ}\text{C}$ , humidity at 60~70%, under 86~106 kPa pressure, unless otherwise noted.

**SOLDERABILITY**

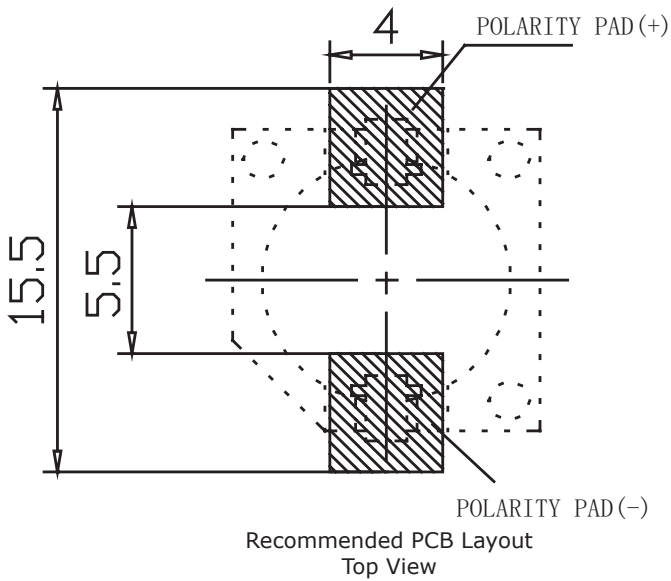
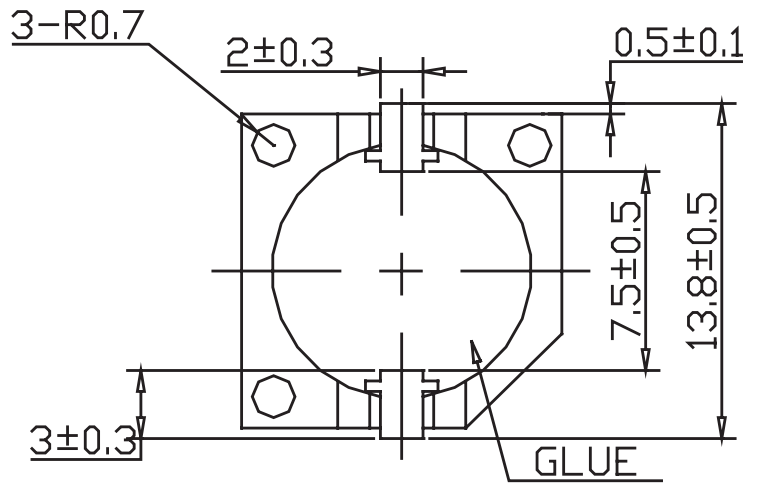
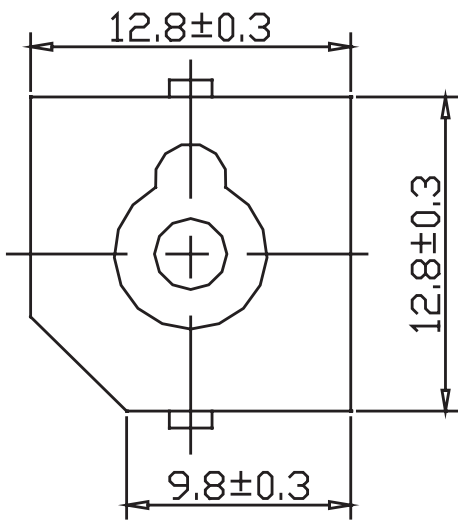
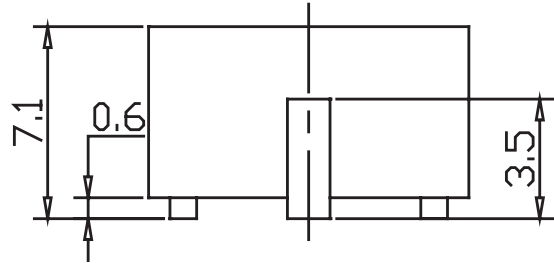
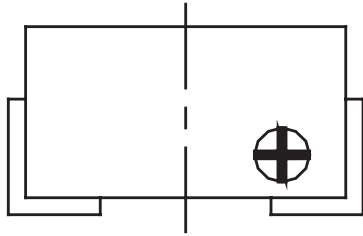
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			25	$^{\circ}\text{C}$
reflow soldering <sup>2</sup>	see recommended reflow soldering profile			260	$^{\circ}\text{C}$
drying conditions <sup>3</sup>	bake at 40 $^{\circ}\text{C}$ for 24 hours				

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

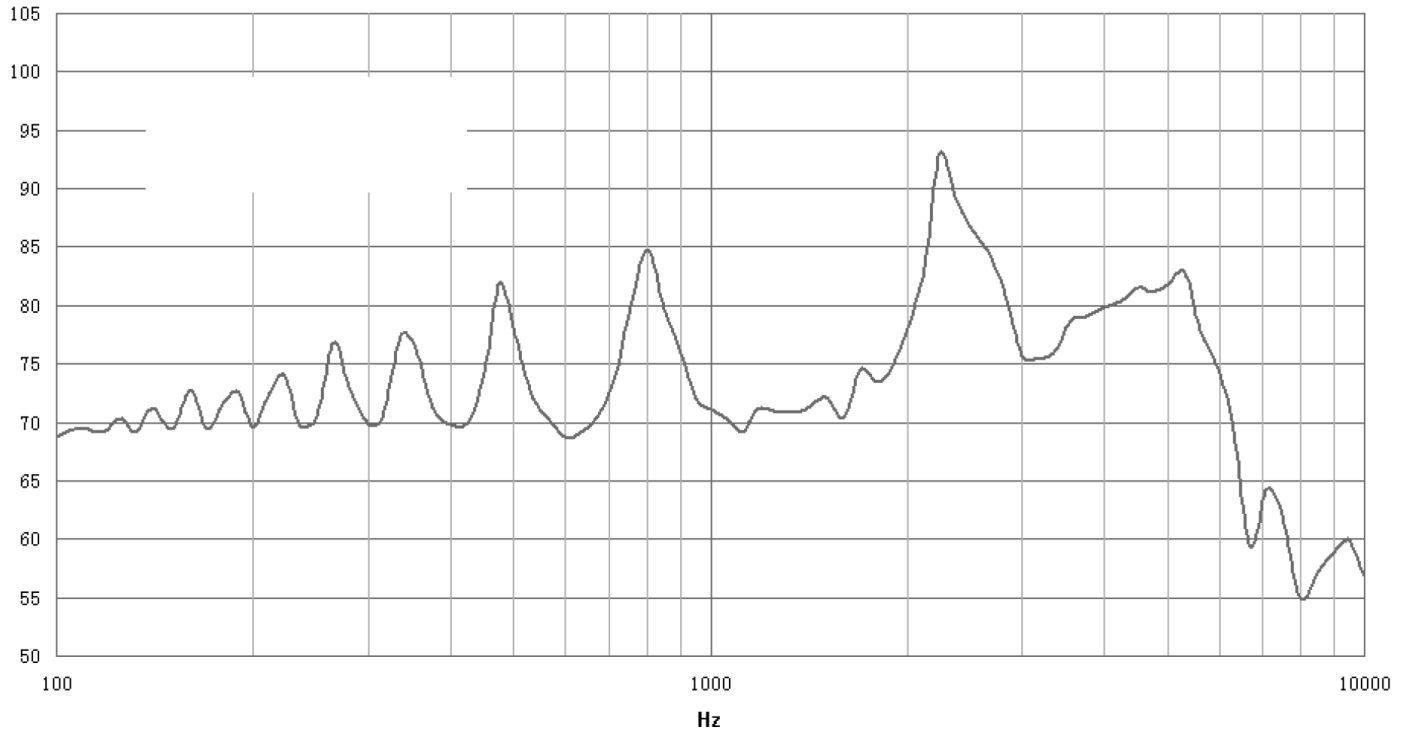


## MECHANICAL DRAWING

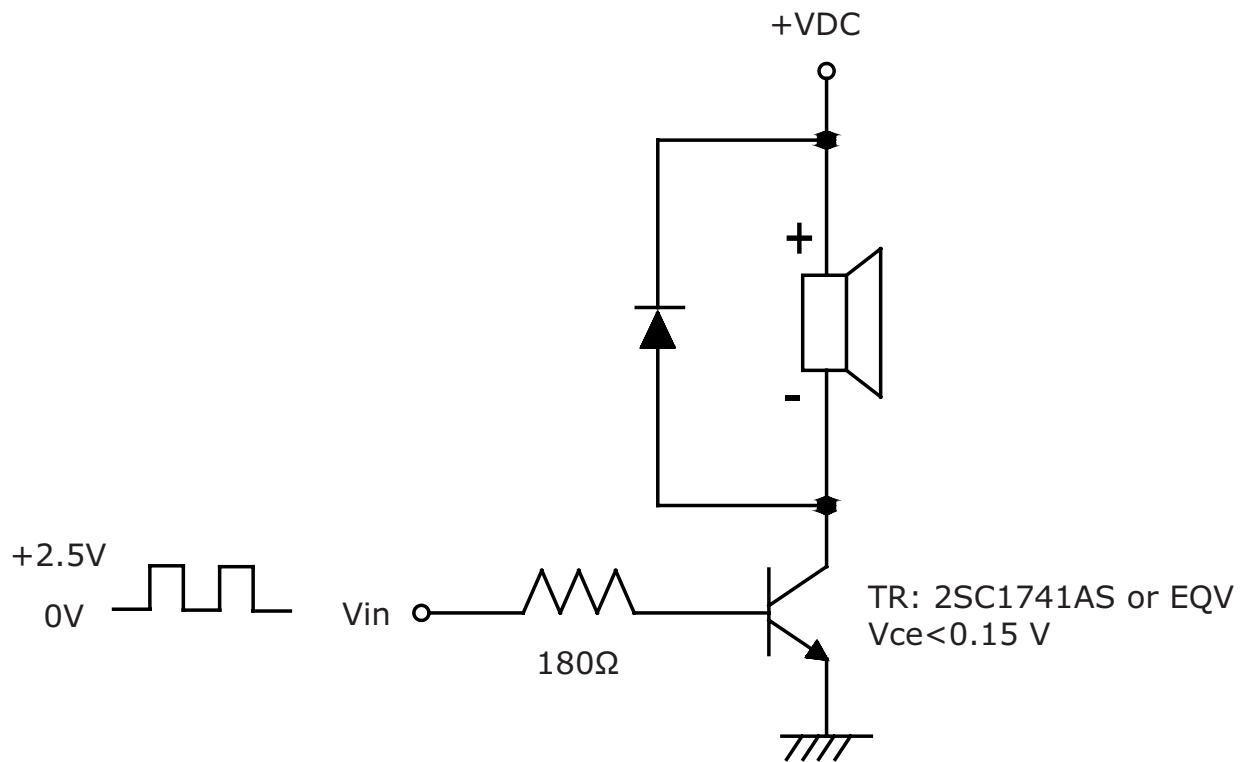
units: mm  
tolerance:  $\pm 0.5$  mm



## FREQUENCY RESPONSE CURVE



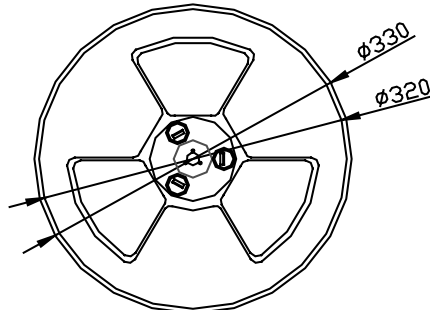
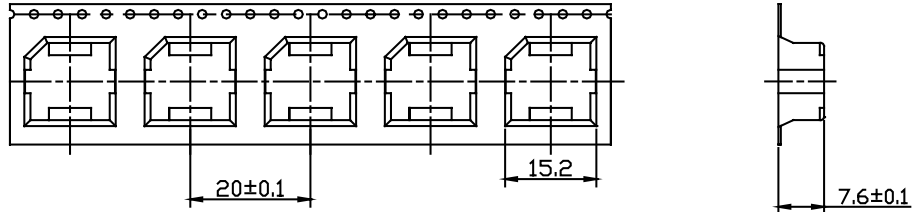
## APPLICATION CIRCUIT



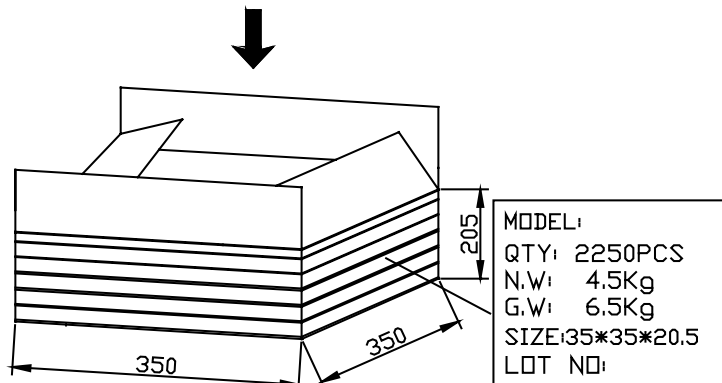
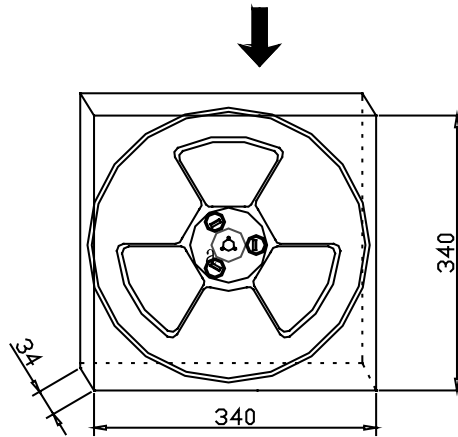
## PACKAGING

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

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

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

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