CUI DEVICES

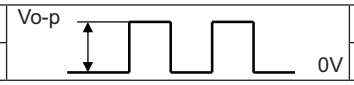
MODEL: CMT-1403-87-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER

FEATURES

- surface mount
- SPL 87 dB
- magnetic
- externally driven

RoHS

SPECIFICATIONS

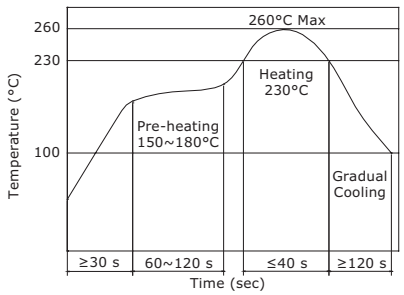
parameter	conditions/description	min	typ	max	units
rated voltage			5.0		Vo-p
operating voltage		3.0		6.0	Vo-p
current consumption	at rated voltage, 2,730 Hz, ½ duty square wave			80	mA
rated frequency			2,730		Hz
sound pressure level	at 10 cm, rated voltage, 2,730 Hz, ½ duty square wave	87	92		dB
coil resistance		40	43	46	Ω
dimensions	14 x 11 x 3				mm
weight			1.0		g
material	LCP				
terminal	surface mount (brass)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
RoHS	yes				

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

SOLDERABILITY

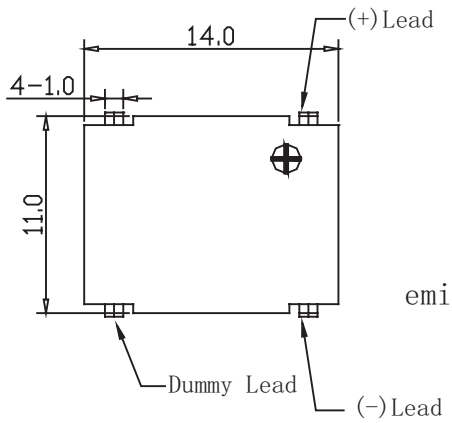
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			25	°C
reflow soldering[2]	see recommended reflow soldering profile			260	°C
drying conditions[3]	bake at 40°C for 24 hours				

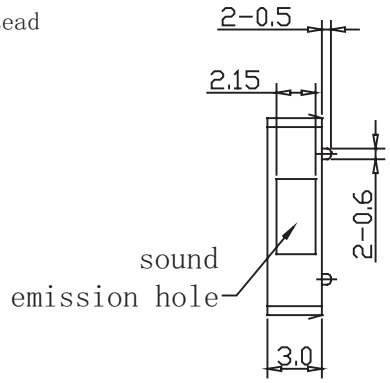
Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
3. When out of packaging for more than 48 hours.

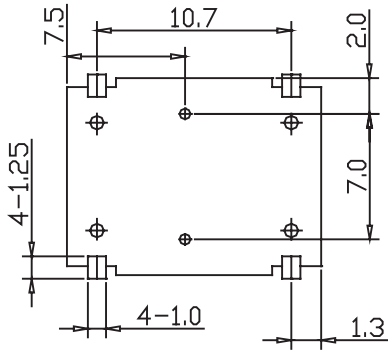


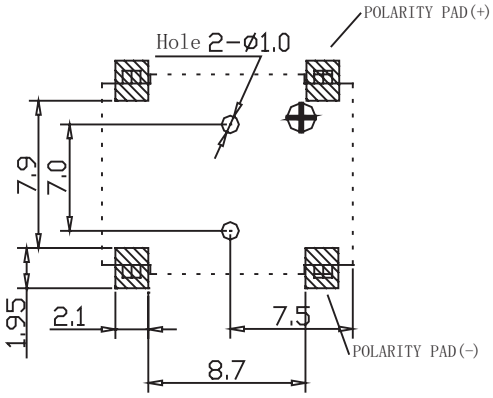
MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



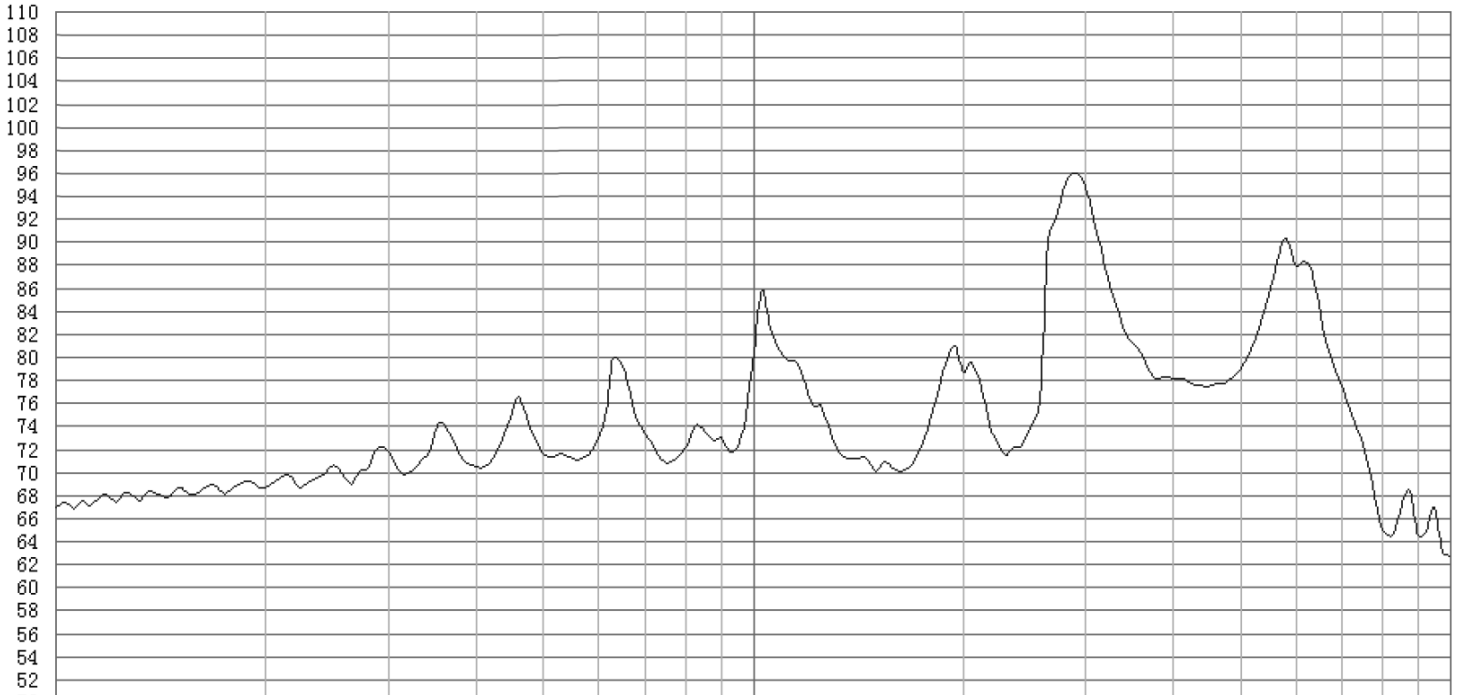




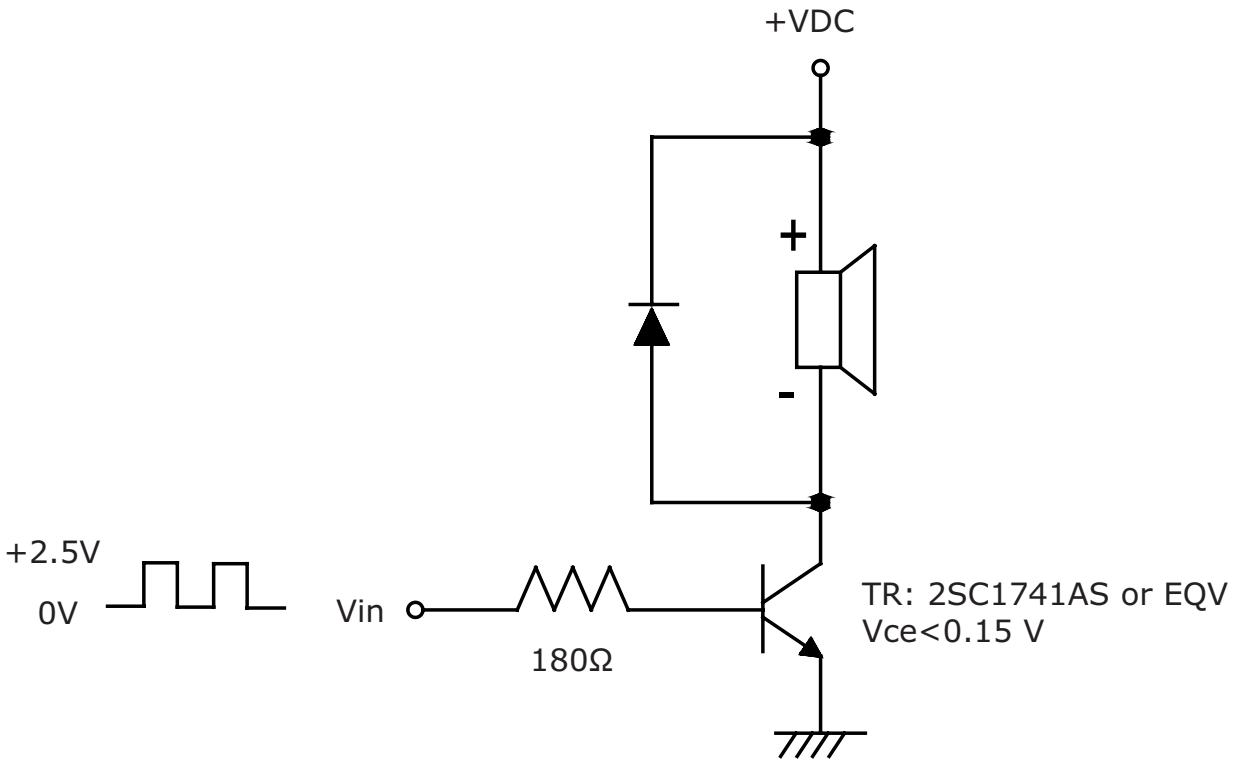


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



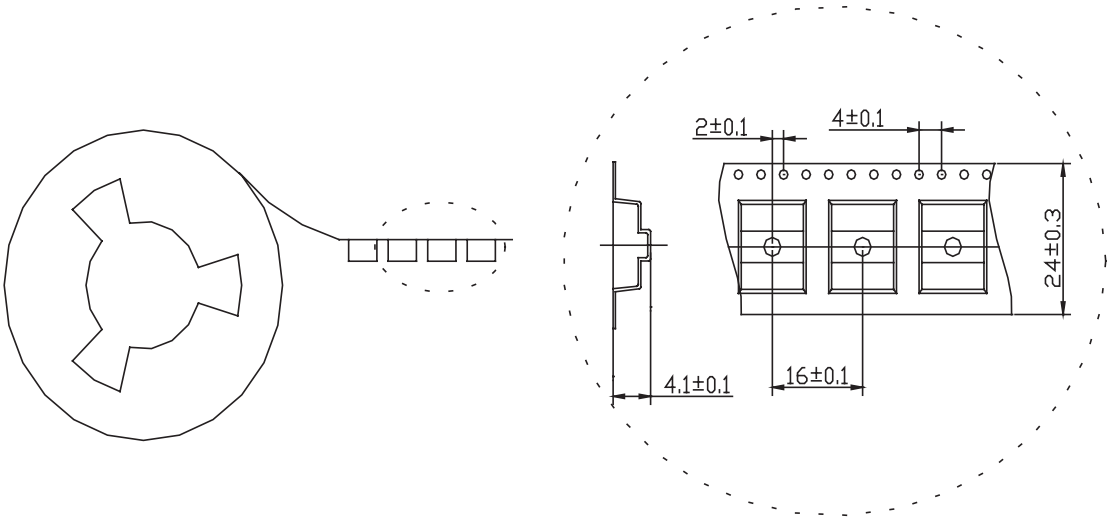
APPLICATION CIRCUIT

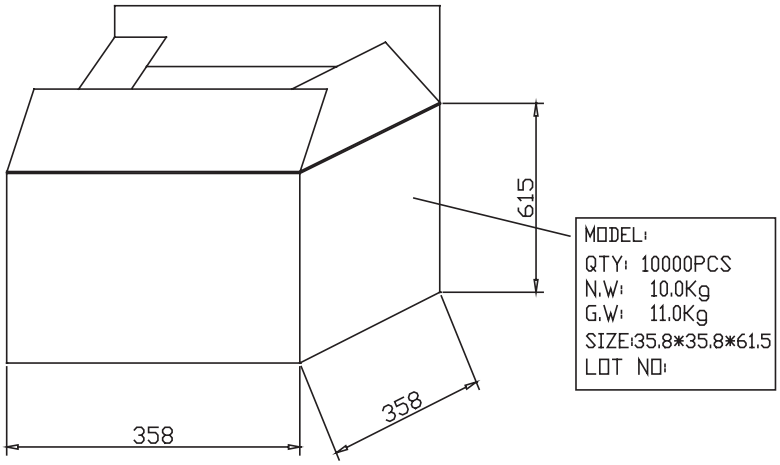


PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1,000 pcs per reel
Carton Size: 358 x 358 x 615 mm
Carton QTY: 10,000 pcs per carton





REVISION HISTORY

rev.	description	date
1.0	initial release	07/18/2019
1.01	brand update	12/18/2019

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