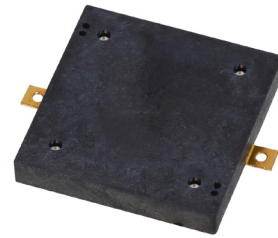
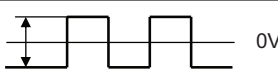



MODEL: CPT-2016-75-SMT-TR | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- surface mount
- SPL 75 dB
- piezo
- externally driven


SPECIFICATIONS

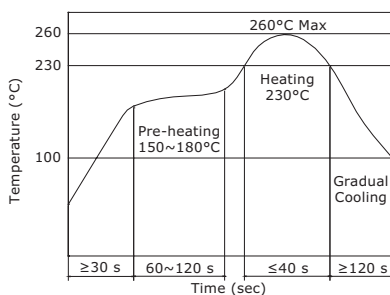
parameter	conditions/description	min	typ	max	units
rated voltage	V_{p-p} 		3		Vp-p
operating voltage		3		20	Vp-p
current consumption	at rated voltage, 4,000 Hz, 1/2 duty square wave			5	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, 1/2 duty square wave	75			dB
electrostatic capacitance	at 120 Hz	11,200	16,000	20,800	pF
dimensions	16.0 x 16.0 x 2.5				mm
weight			0.9		g
material	LCP				
terminal	surface mount (brass with gold plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
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

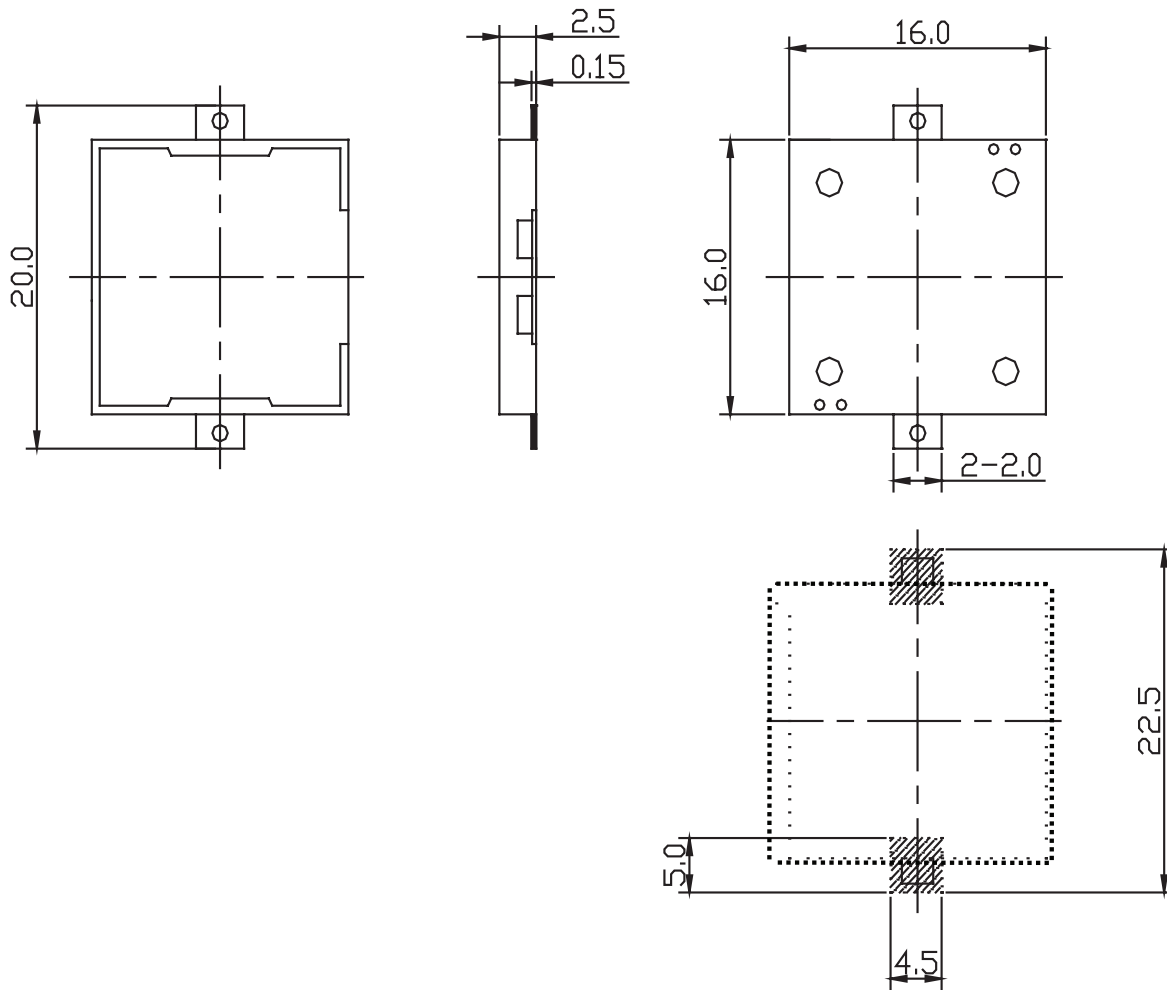
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			25	°C
reflow soldering ²	see recommended reflow soldering profile			260	°C
drying conditions ³	bake at 40°C for 24 hours				

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.



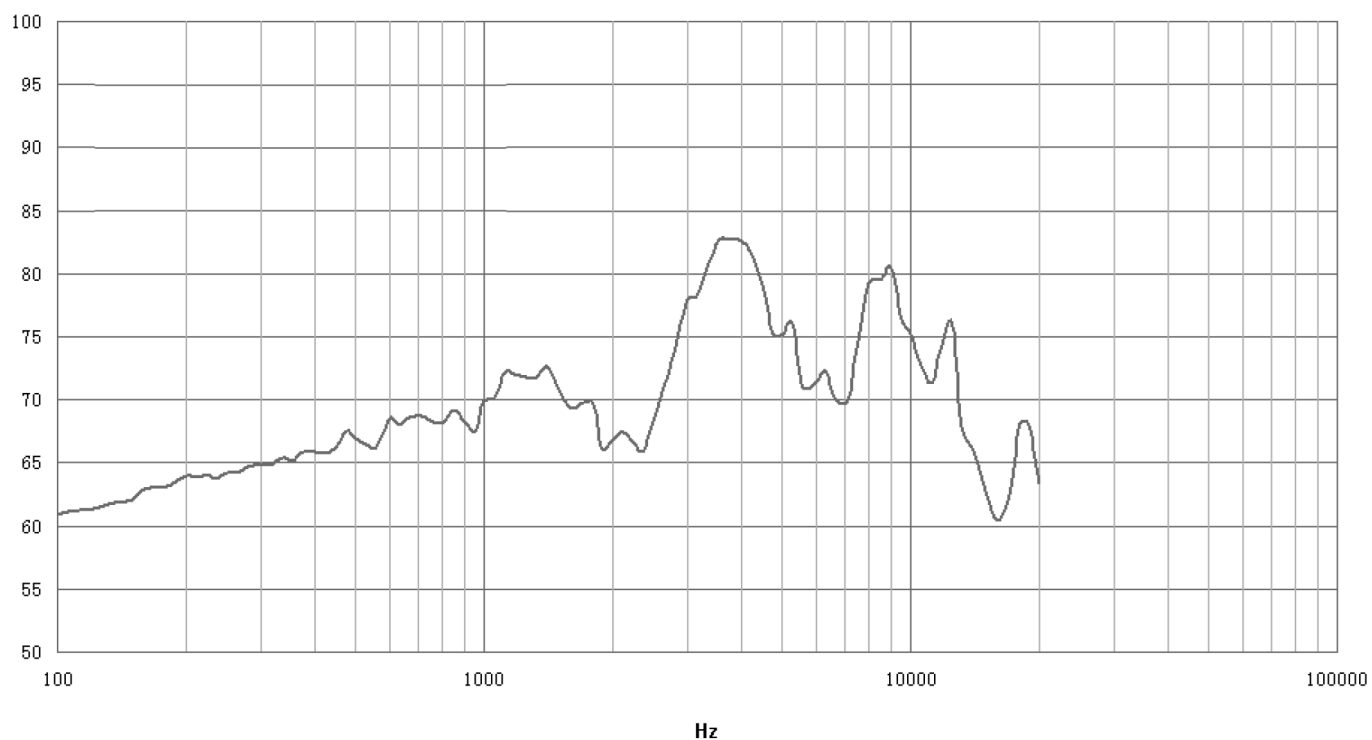
MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

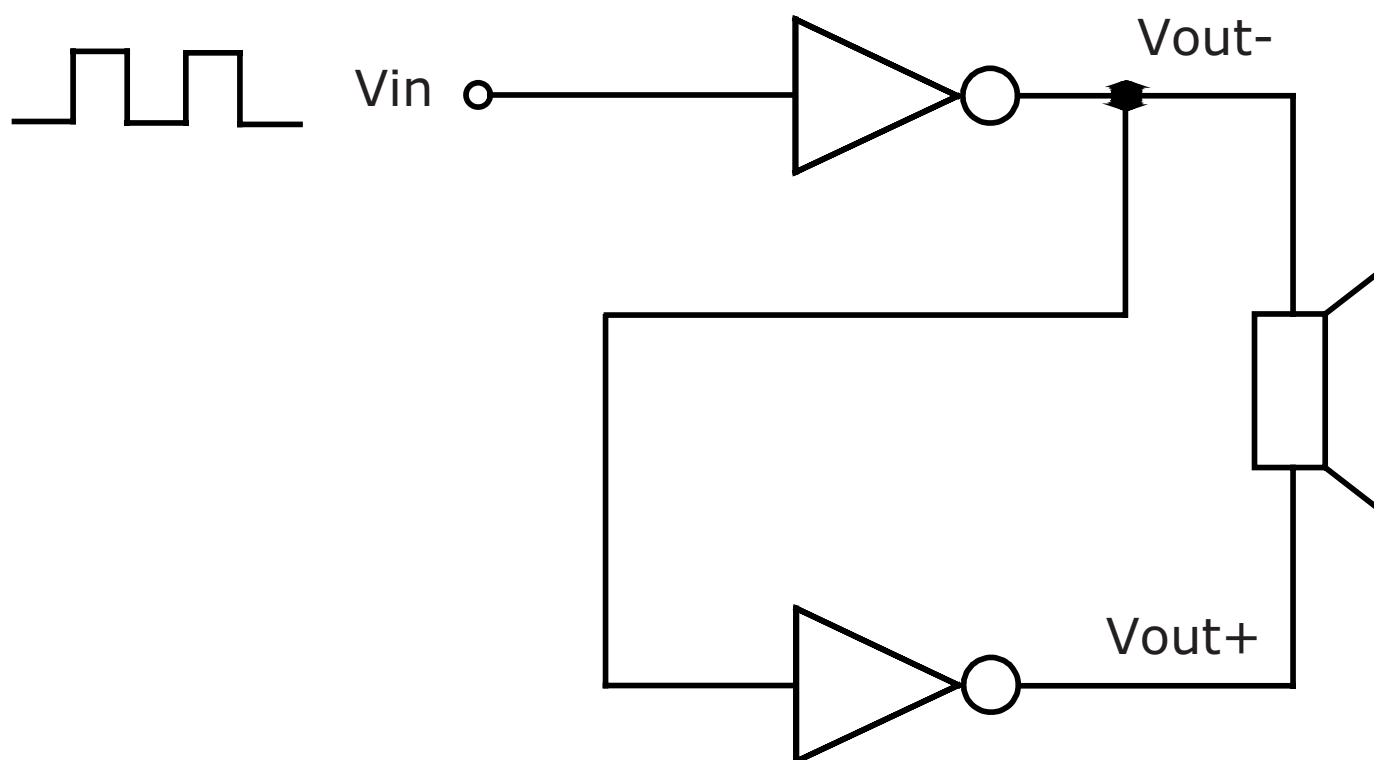


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT



PACKAGING

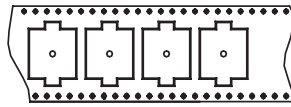
units: mm

Reel Size: Ø330 mm

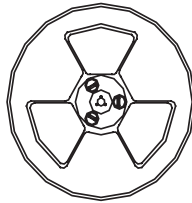
Reel QTY: 800 pcs per reel

Carton Size: 358 x 358 x 615 mm

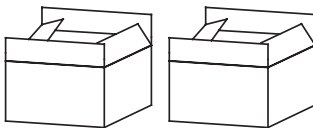
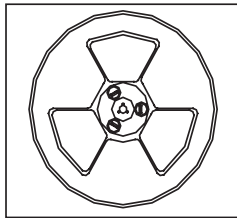
Carton QTY: 8,000 pcs per carton



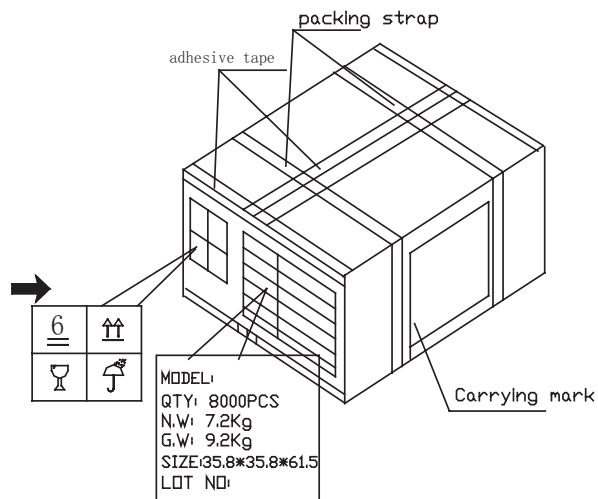
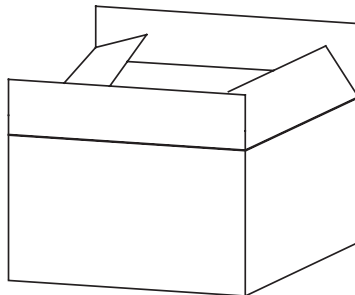
800PCS/TAPE



800PCS/SPOOL



5SPOOL/BOX
4000PCS/BOX
box size:340x340x300mm;



REVISION HISTORY

rev.	description	date
1.0	initial release	07/15/2019

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

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

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