CUDEVICES

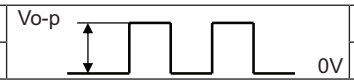
MODEL: CMT-1614-85T | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER

FEATURES

- through hole
- SPL 85 dB
- magnetic
- externally driven

RoHS

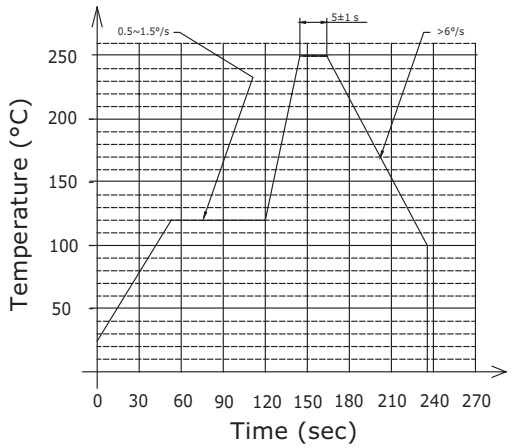
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage			12.0		Vo-p
operating voltage		9.0		15.0	Vo-p
current consumption	at rated voltage, 2,048 Hz, ½ duty square wave			40	mA
rated frequency			2,048		Hz
sound pressure level	at 10 cm, rated voltage, 2,048 Hz, ½ duty square wave	85			dB
coil resistance		103	115	127	Ω
dimensions	Ø16.0 x 14.0				mm
weight			5.0		g
material	PPS (S-206)				
terminal	pins (red copper with gold plating)				
operating temperature		-30		70	°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.

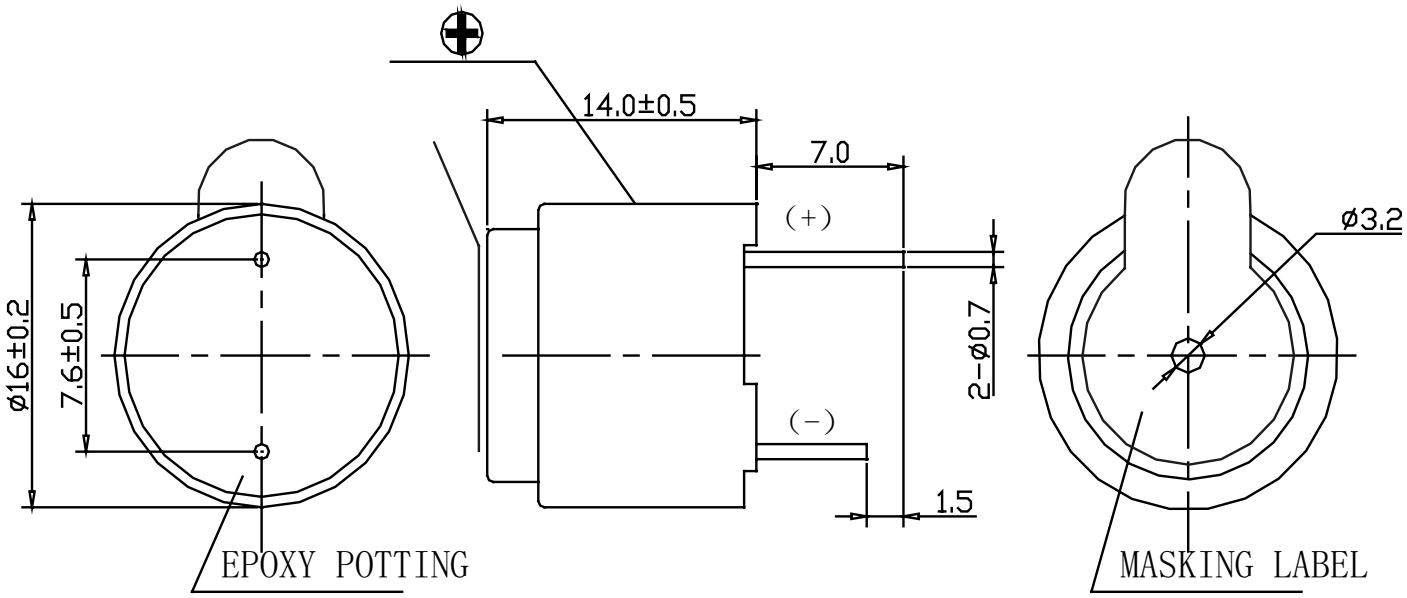
SOLDERABILITY

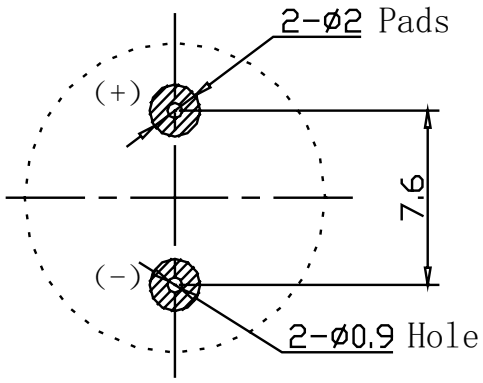
parameter	conditions/description	min	typ	max	units
wave soldering	see recommended wave soldering profile			250	°C



MECHANICAL DRAWING

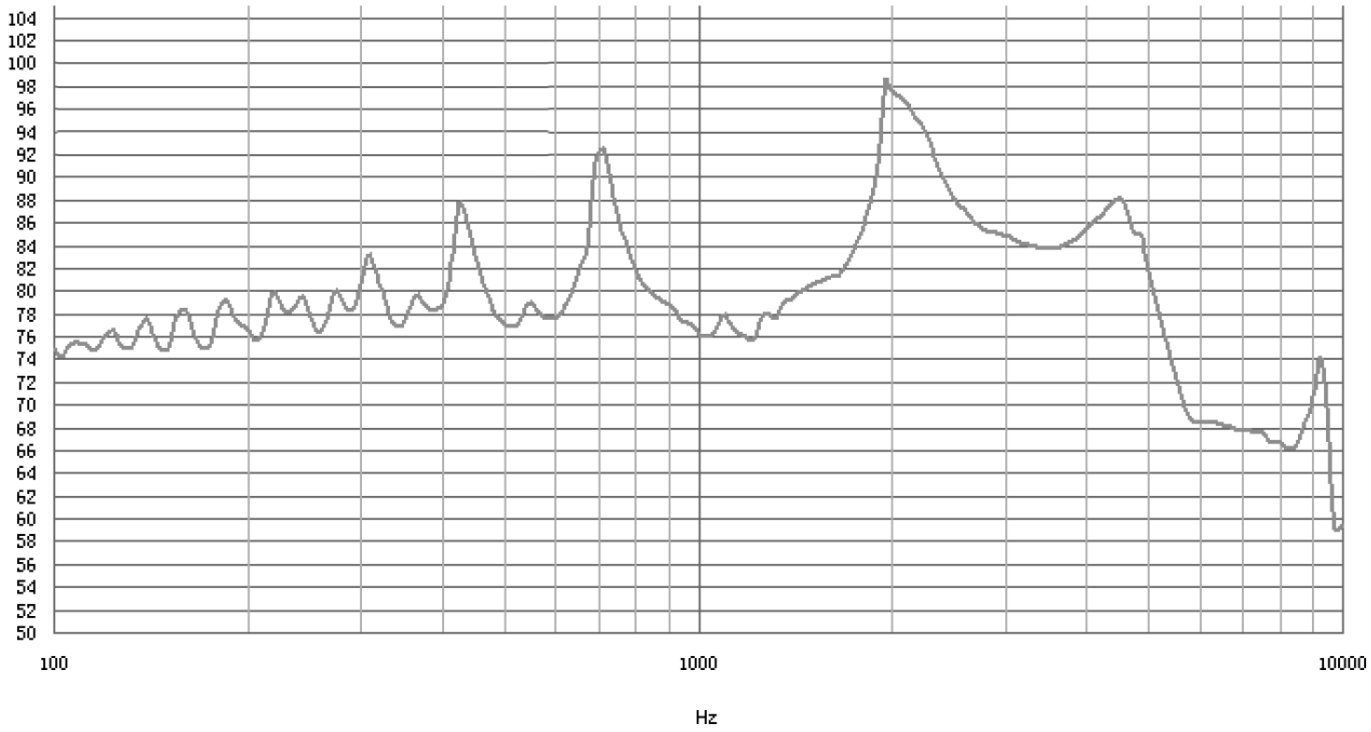
units: mm
tolerance: ±0.5 mm



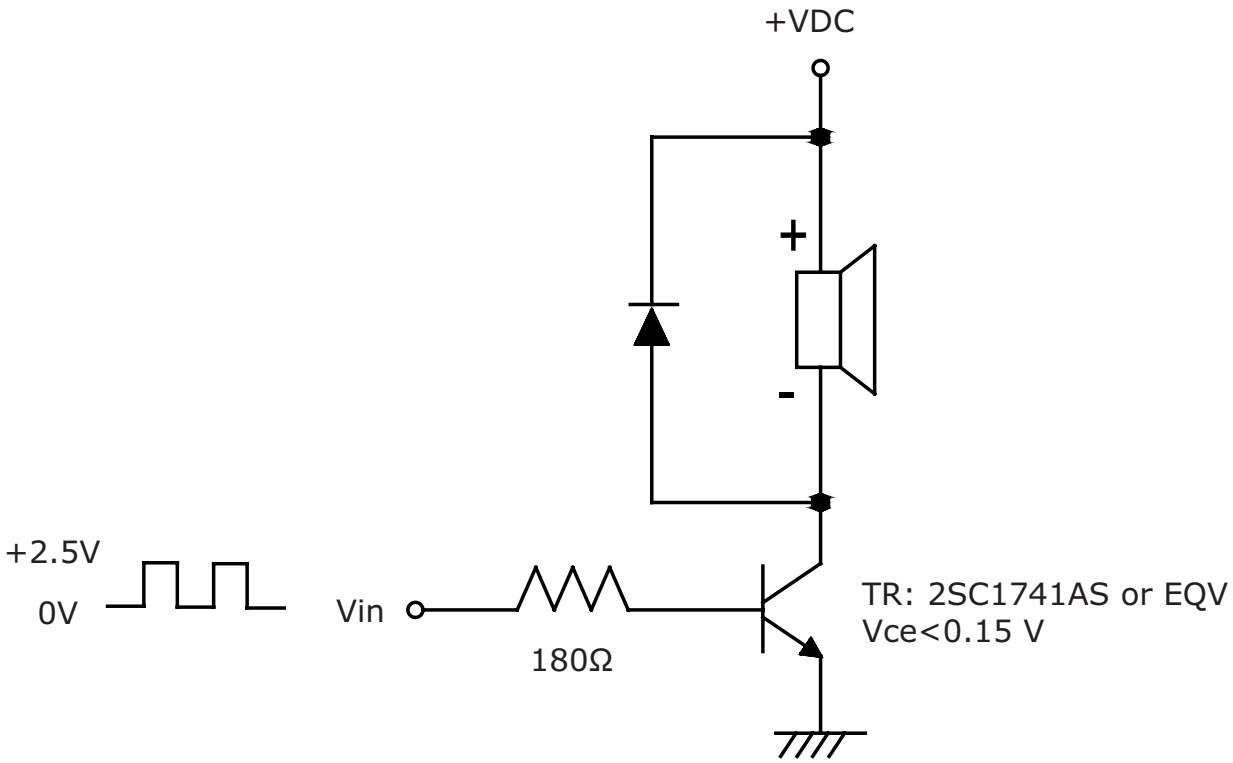


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



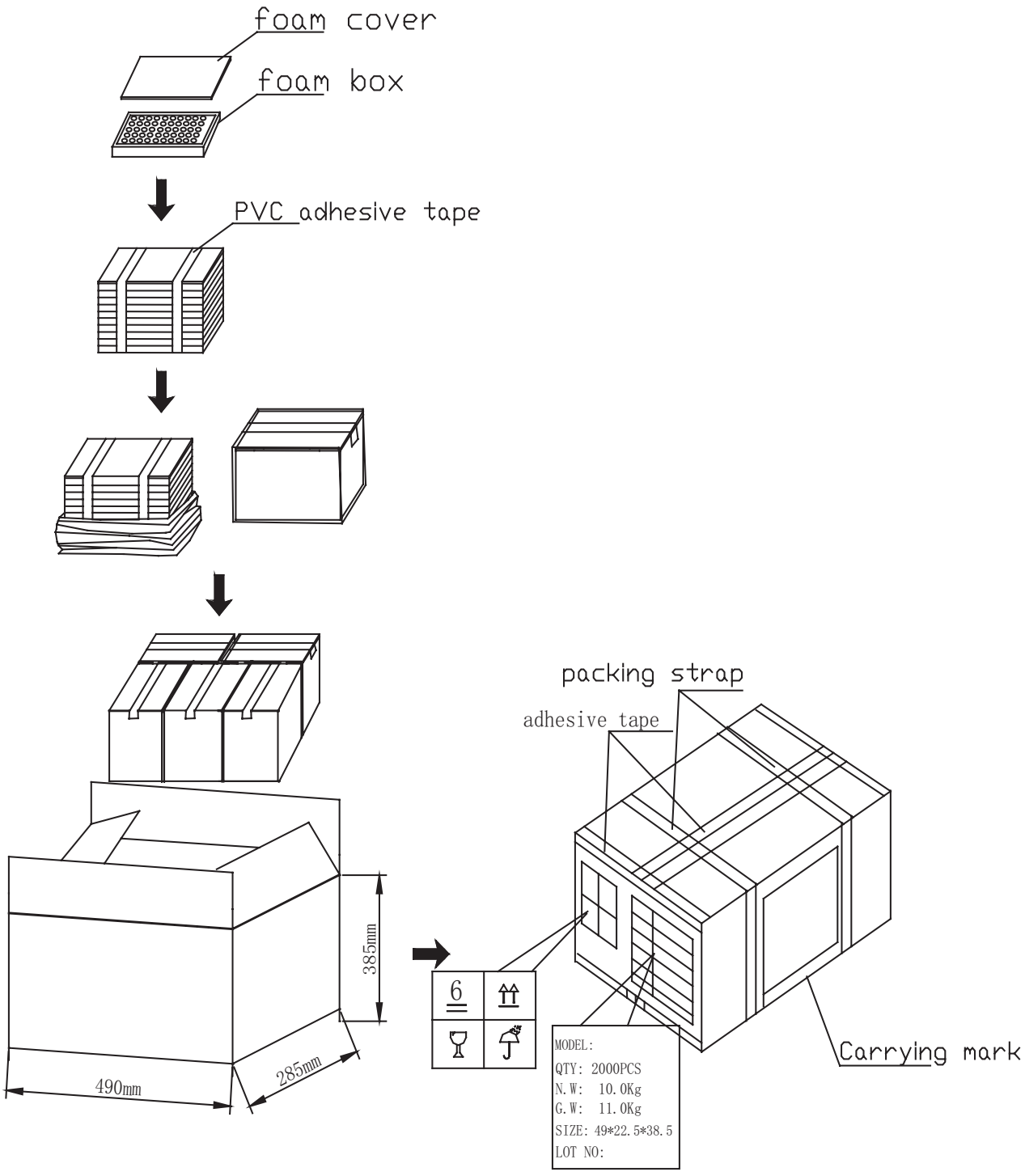
APPLICATION CIRCUIT



PACKAGING

units: mm

Carton Size: 490 x 285 x 385 mm
Carton QTY: 2,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	07/17/2019
1.01	brand update	12/18/2019
1.02	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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