CUI Devices is now Same Sky! Learn More

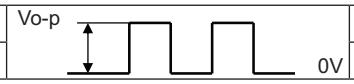
MODEL: CMT-9648-85T | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

FEATURES

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

RoHS

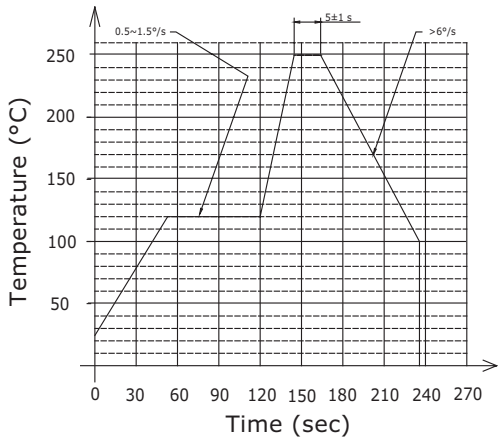
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage			5.0		Vo-p
operating voltage		3.0		8.0	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	85			dB
coil resistance		25.5	30	34.5	Ω
dimensions	Ø9.0 x 4.8				mm
weight			1.0		g
material	NORYL				
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.

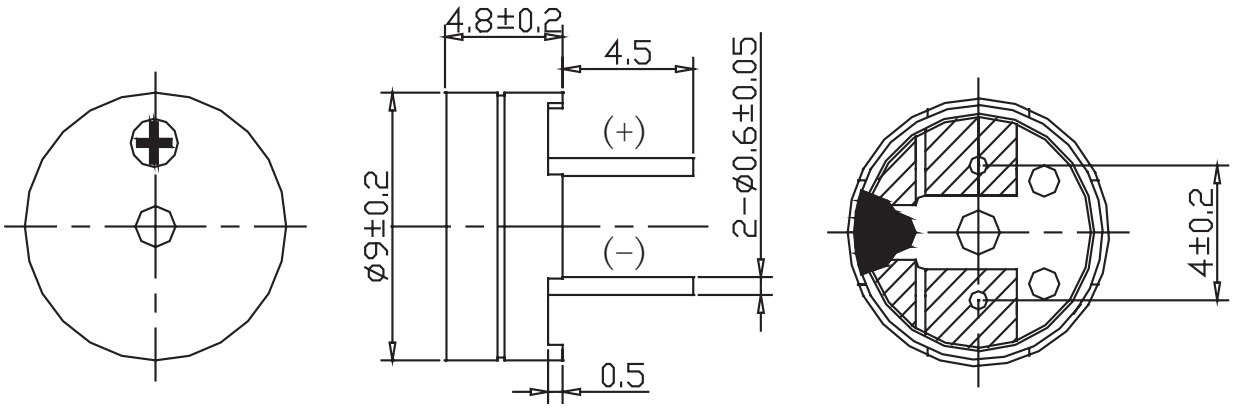
SOLDERABILITY

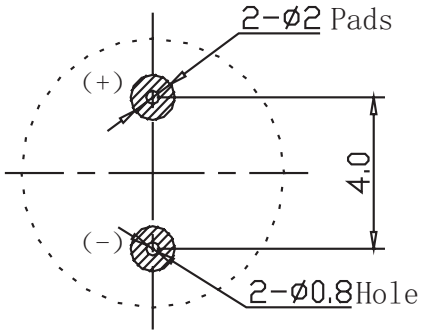
parameter	conditions/description	min	typ	max	units
wave soldering	see recommended wave soldering profile			250	°C



MECHANICAL DRAWING

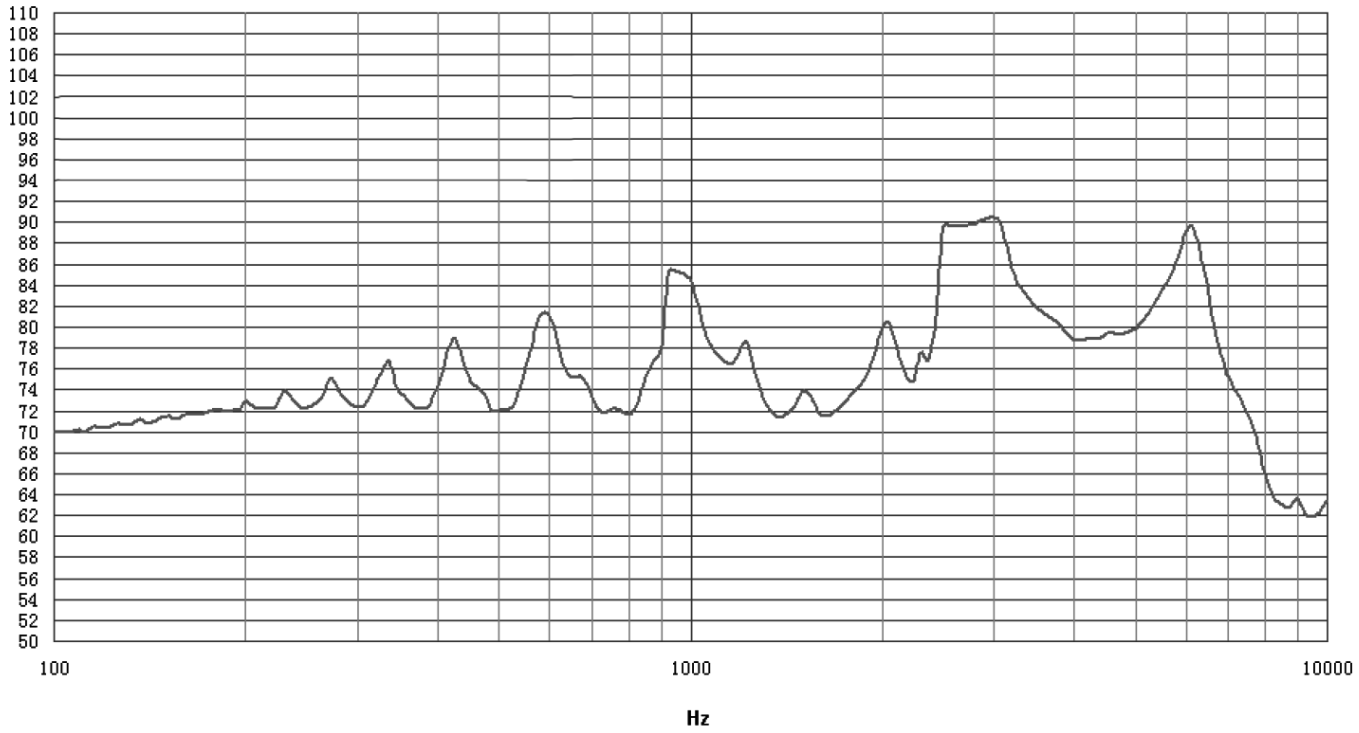
units: mm
tolerance: ±0.5 mm



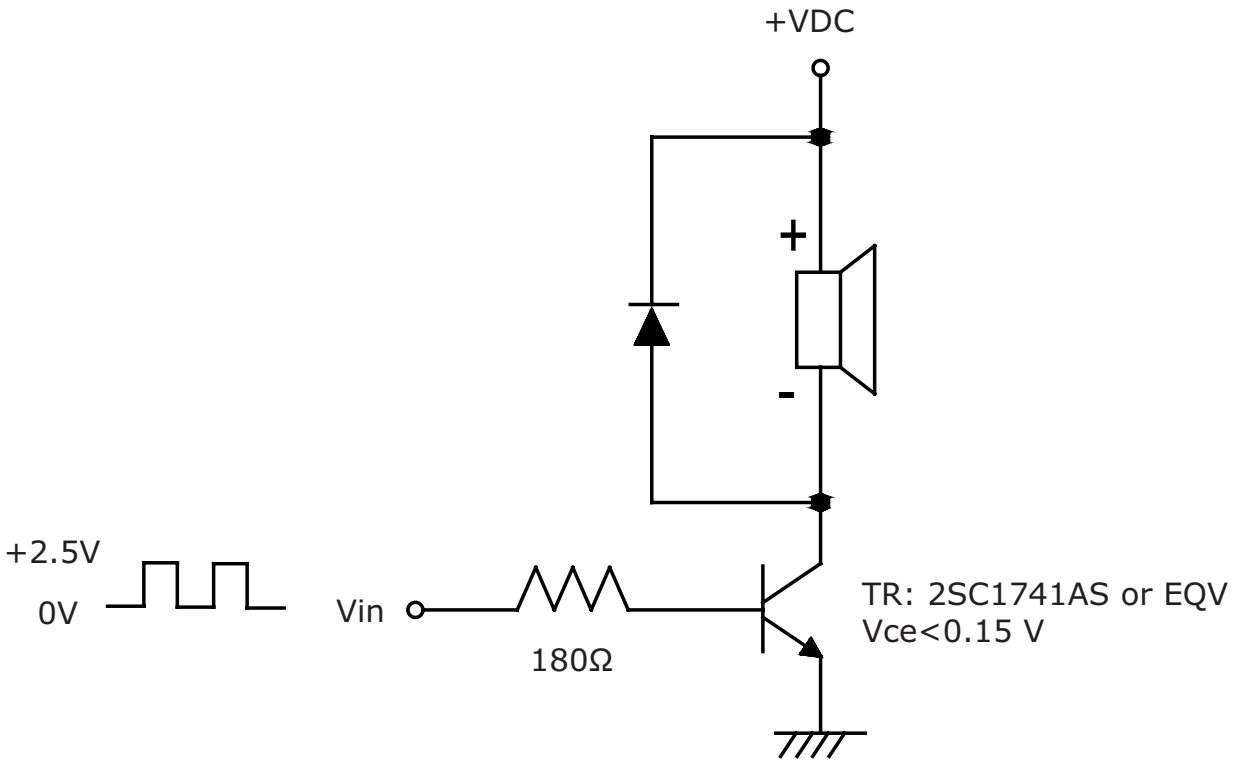


Recommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



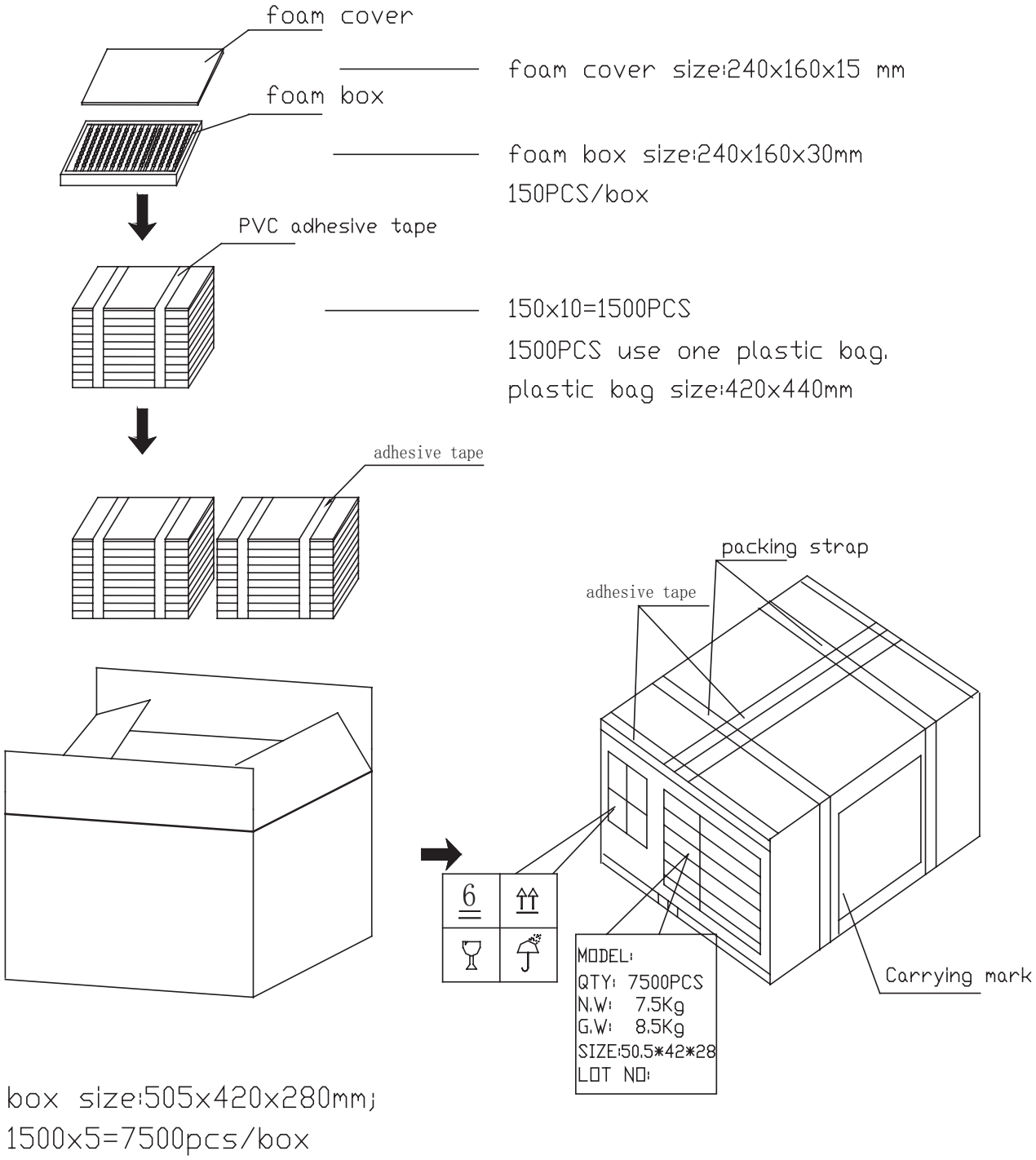
APPLICATION CIRCUIT



PACKAGING

units: mm

Carton Size: 505 x 420 x 280 mm
Carton QTY: 7,500 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	07/12/2019
1.01	brand update	12/18/2019
1.02	logo, datasheet style update	08/05/2022
1.03	CUI Devices rebranded to Same Sky	09/11/2024

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

same sky

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

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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