MODEL: CPI-3816-95T | DESCRIPTION: PIEZO BUZZER TRANSDUCER

FEATURES

- single tone
- externally driven
- through hole



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage			9		Vdc
operating voltage		6		16	Vdc
current consumption	at rated voltage			30	mA
rated frequency		2,700	3,200	3,700	Hz
sound pressure level	at 30 cm, rated voltage	95			dB
tone	single				
dimensions	Ø39.0 x 16.0				mm
weight				8.5	g
material	ABS				
terminal	pins (tin plating)				
operating temperature		-20		70	°C
storage temperature		-30		80	°C
washable	no				
RoHS	yes				

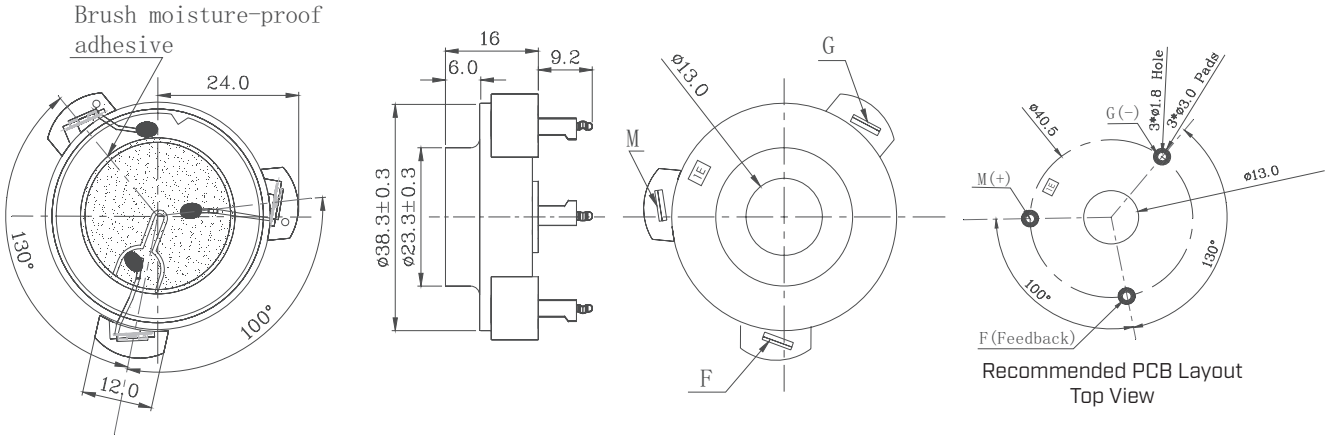
Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	maximum 2 seconds	330		380	°C

MECHANICAL DRAWING

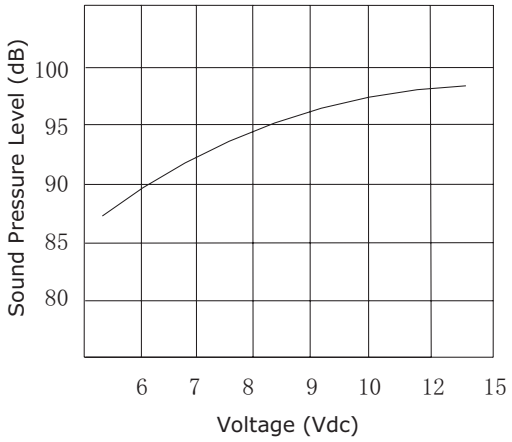
units: mm
tolerance: ±0.5 mm



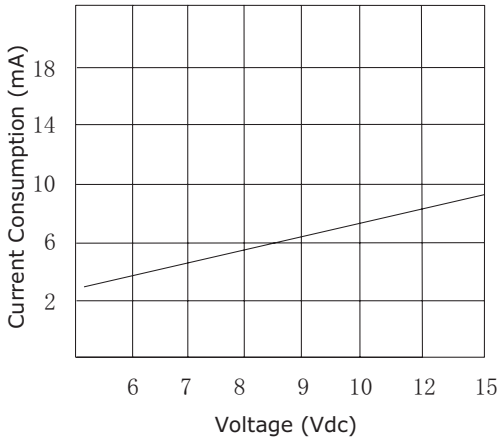
Recommended PCB Layout
Top View

PERFORMANCE CURVES

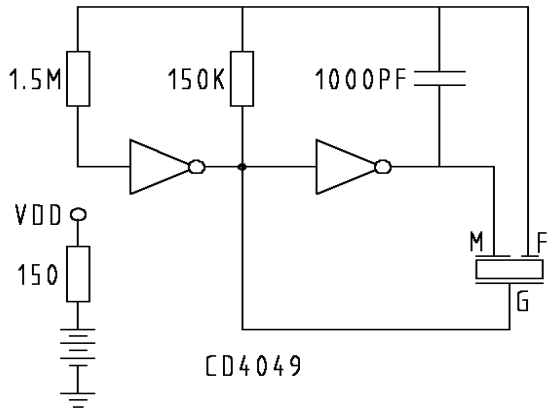
Voltage vs. Sound Pressure Level
at 30 cm, 25°C



Voltage vs. Current Consumption
at 25°C



DRIVING CIRCUIT

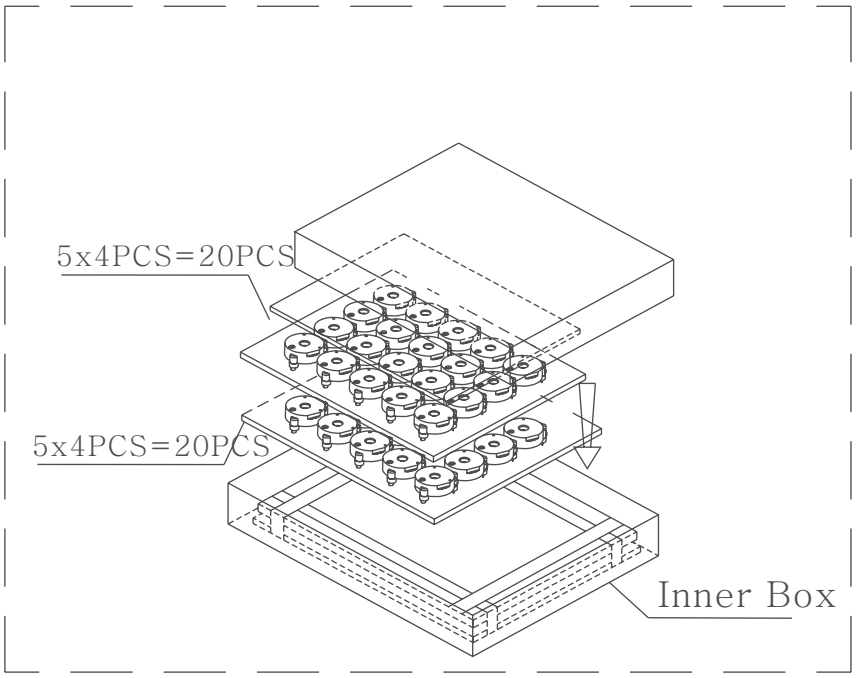


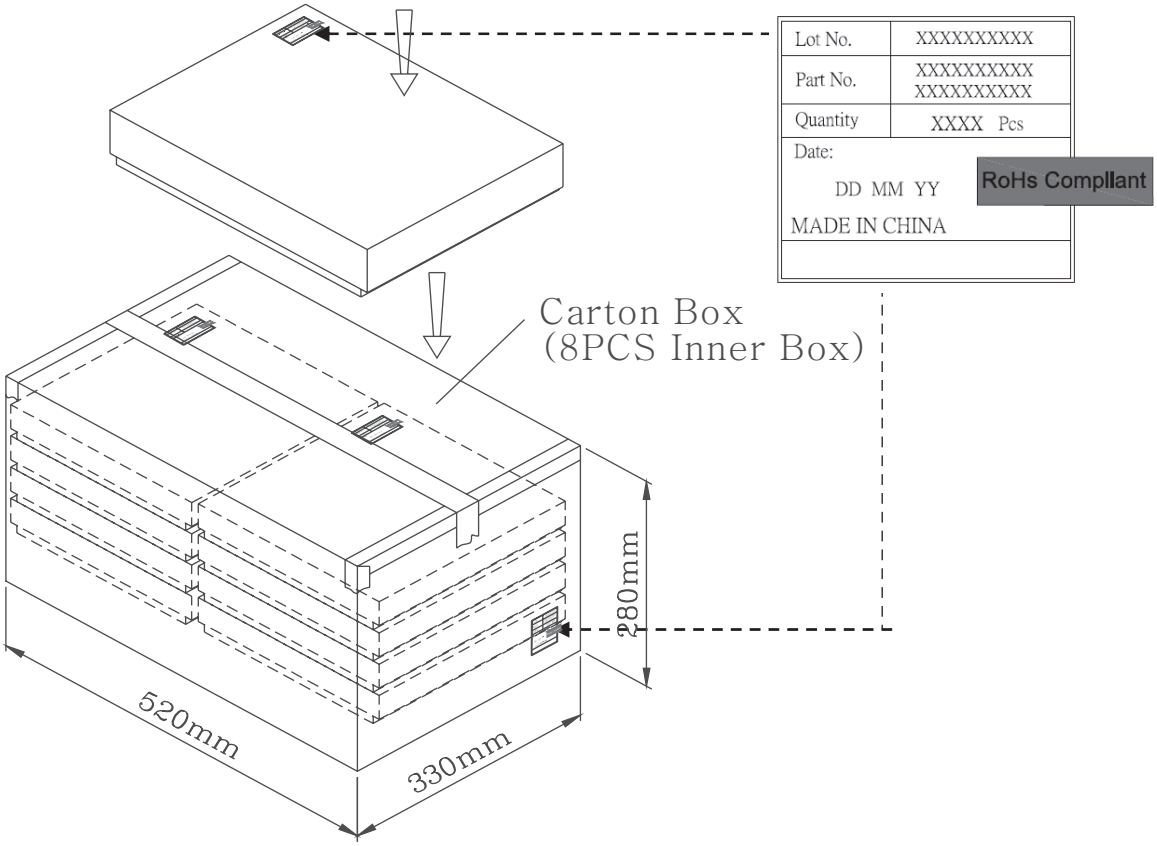
Notes: 1. The current consumption and the sound pressure level are measured by using the recommended driving circuit shown above.

PACKAGING

units: mm

Carton Size: 520 x 330 x 280 mm
Carton QTY: 320 pcs per carton





REVISION HISTORY

rev.	description	date
1.0	initial release	12/10/2019
1.01	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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