CUI DEVICES

MODEL: CUSP-R80-15-2500-TH | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES

- plastic can
- open type
- receiver
- sensitivity -75 dBV
- detectable range 15 meters



RoHS

SPECIFICATIONS

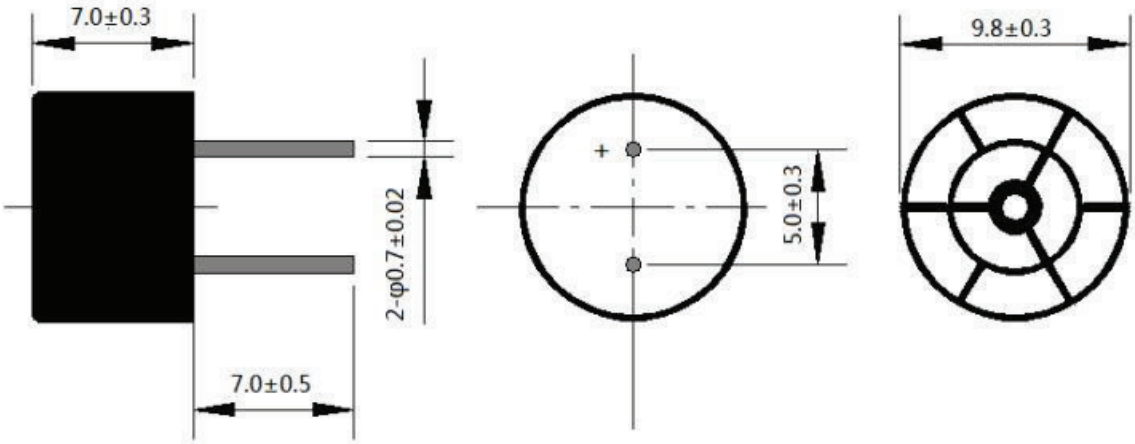
parameter	conditions/description	min	typ	max	units
type	receiver				
operating voltage	at 39 kHz			80	Vp-p
frequency		38	39	40	kHz
sensitivity		-75			dBV/µMbar
directivity			80		degree
capacitance	at 1 kHz	1,875	2,500	3,125	pF
detectable range		0.2		15	m
dimensions	Ø9.8 x 7.0				mm
material	ABS				
terminal	pins (iron with tin plating)				
weight			0.58		g
operating temperature		-20		80	°C
RoHS	yes				

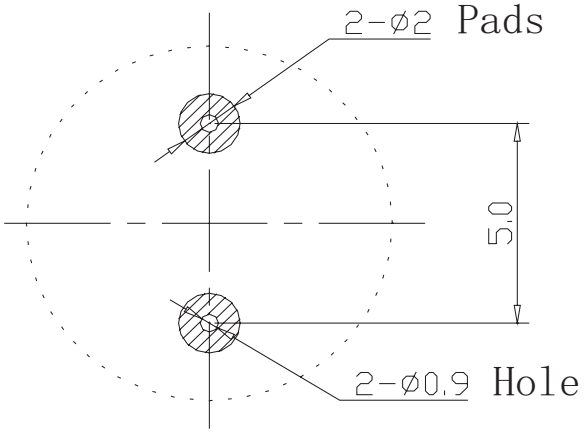
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for 3 ± 0.5 seconds	370	380	390	°C

MECHANICAL DRAWING

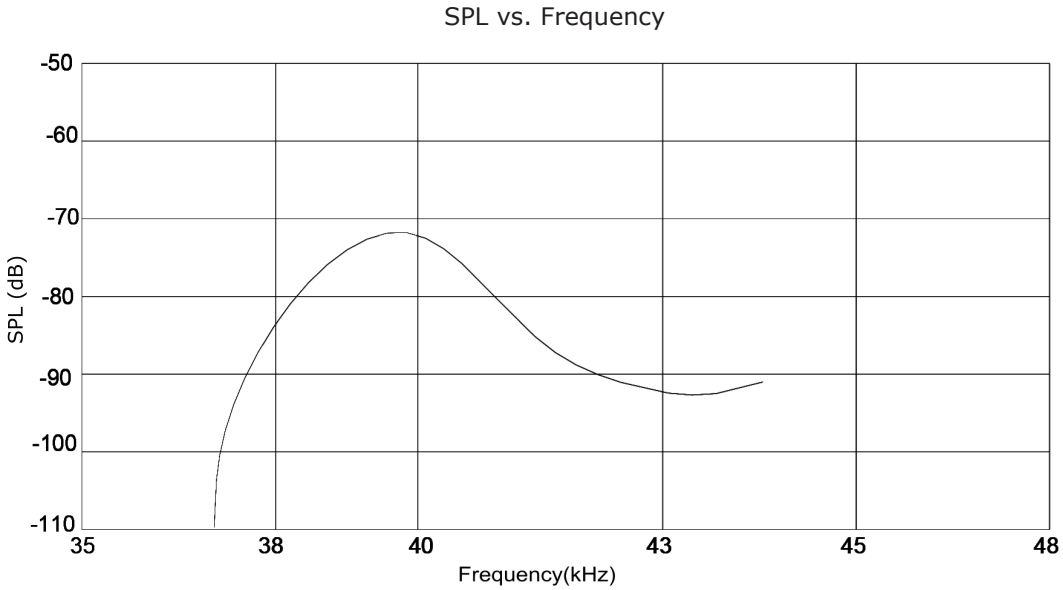
units: mm

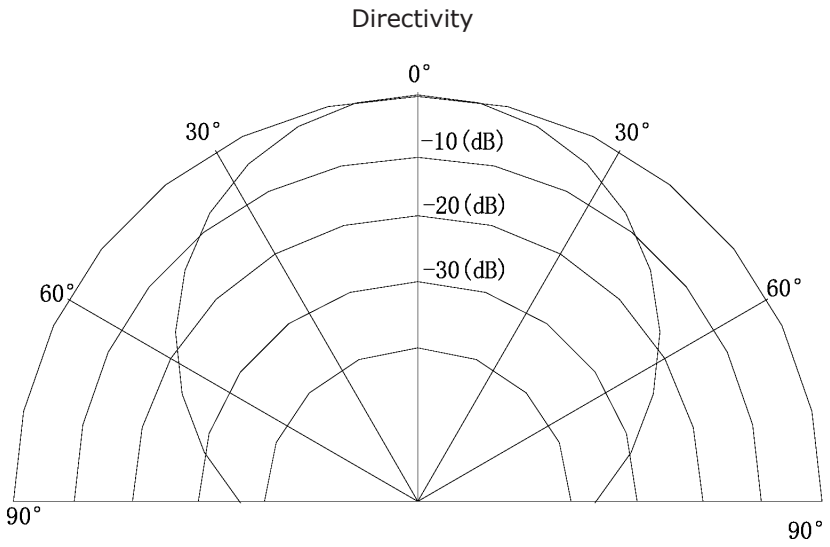




Recommended PCB Layout
Top View

BEAM PATTERNS

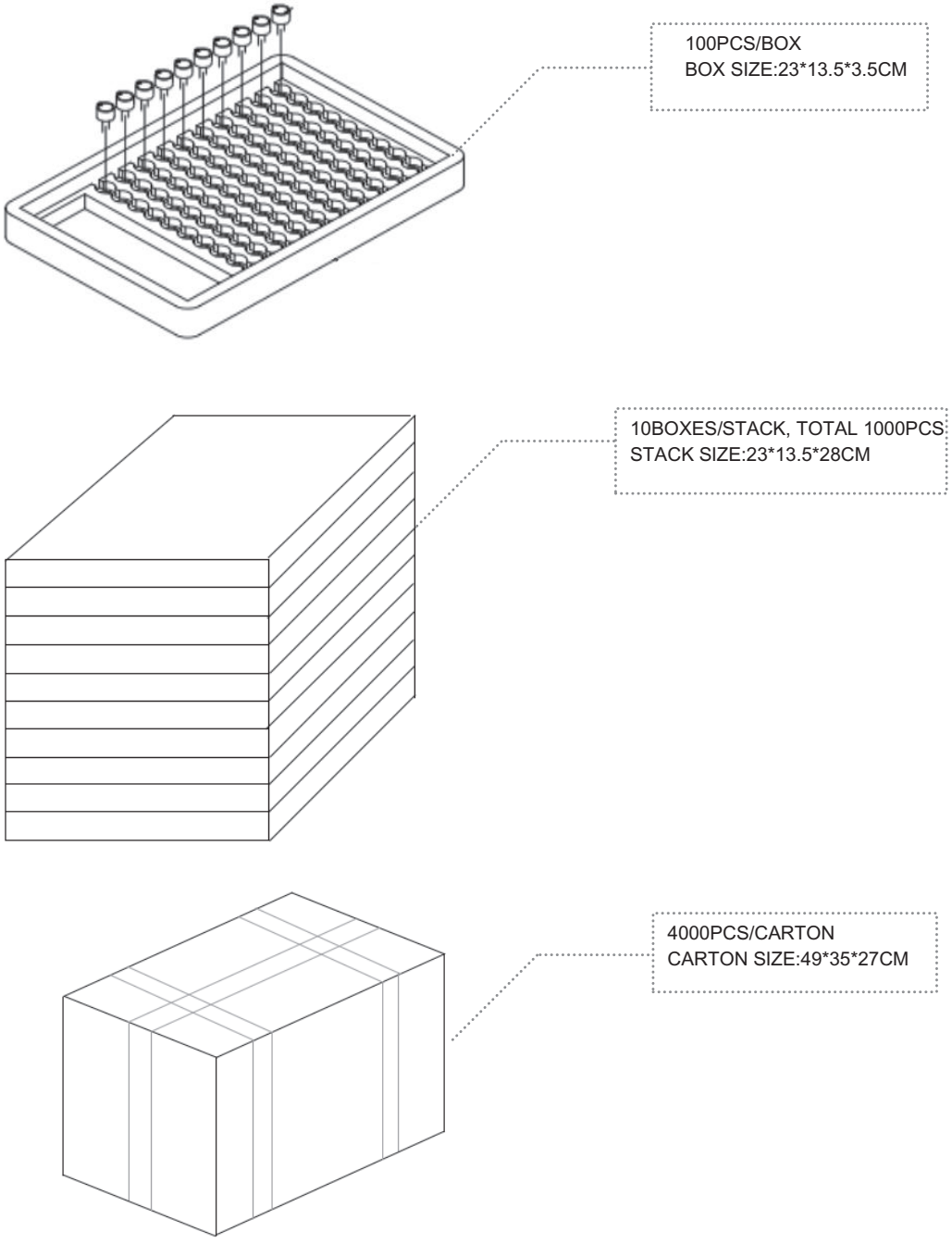




PACKAGING

units: mm

Tray Size: 230 x 135 x 35 mm
Tray QTY: 100 pcs per tray
Carton Size: 490 x 350 x 270 mm
Carton QTY: 4,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	12/02/2020

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

CUI DEVICES

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

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