CUI DEVICES

MODEL: CUSA-R75-18-2400-TH | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES

- aluminium can
- open type
- receiver
- sensitivity -70 dBV
- detectable range 18 meters



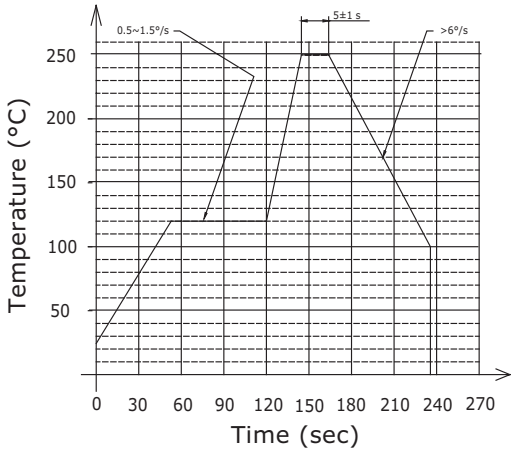
RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
type	receiver				
operating voltage	at 39 kHz			80	Vp-p
frequency		38	39	40	kHz
sensitivity		-70			dBV/μMbar
directivity			75		degree
capacitance	at 1 kHz	1,800	2,400	3,000	pF
detectable range		0.2		18	m
dimensions	Ø12.5 x 9.5				mm
material	aluminum				
terminal	pins (iron with tin plating)				
weight			1.58		g
operating temperature		-30		85	°C
RoHS	yes				

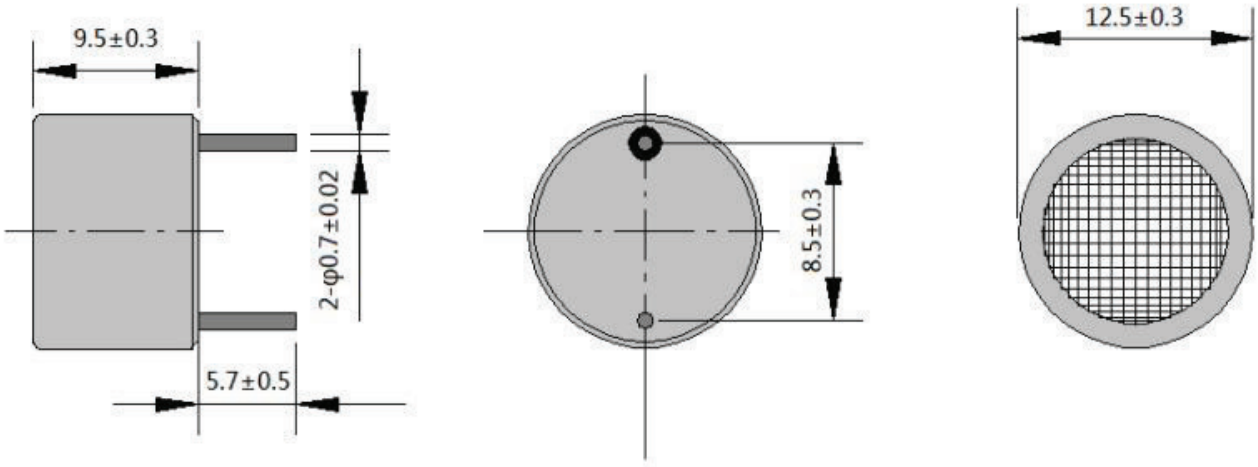
SOLDERABILITY

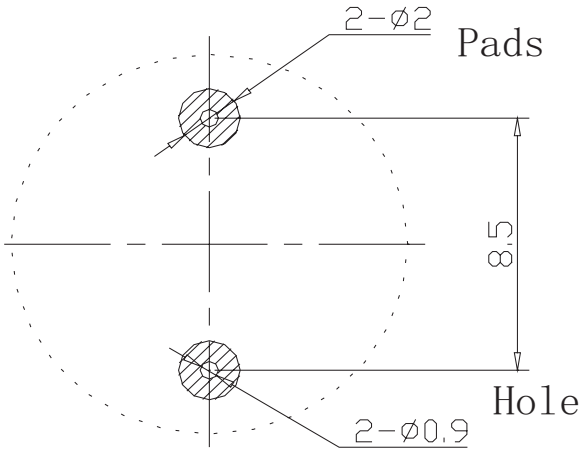
parameter	conditions/description	min	typ	max	units
wave soldering				250	°C



MECHANICAL DRAWING

units: mm

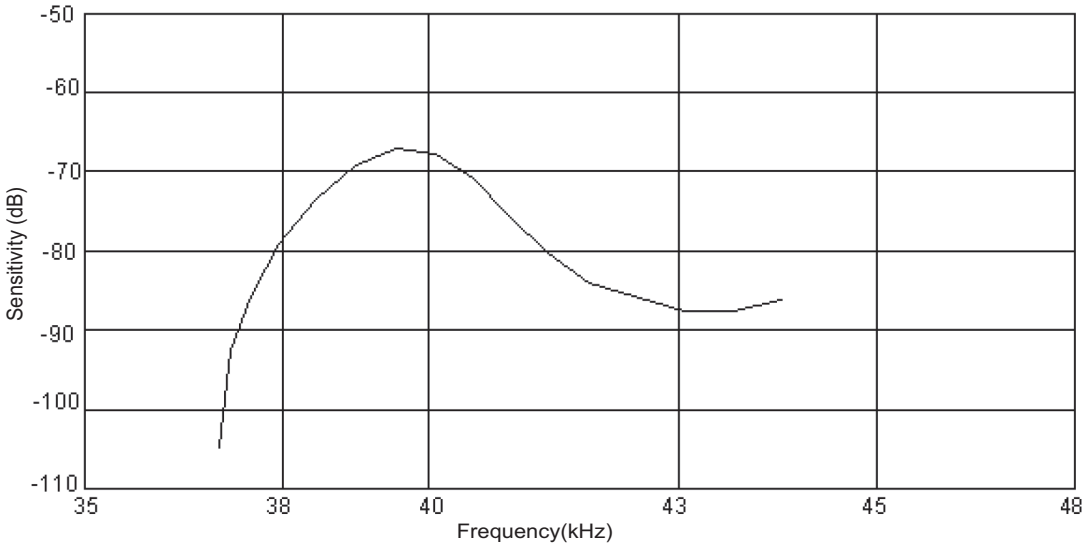




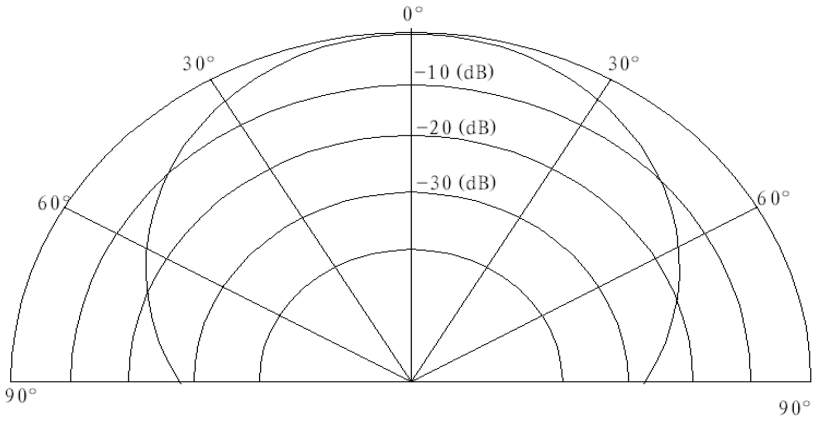
Recommended PCB Layout
Top View

BEAM PATTERNS

Sensitivity vs. Frequency



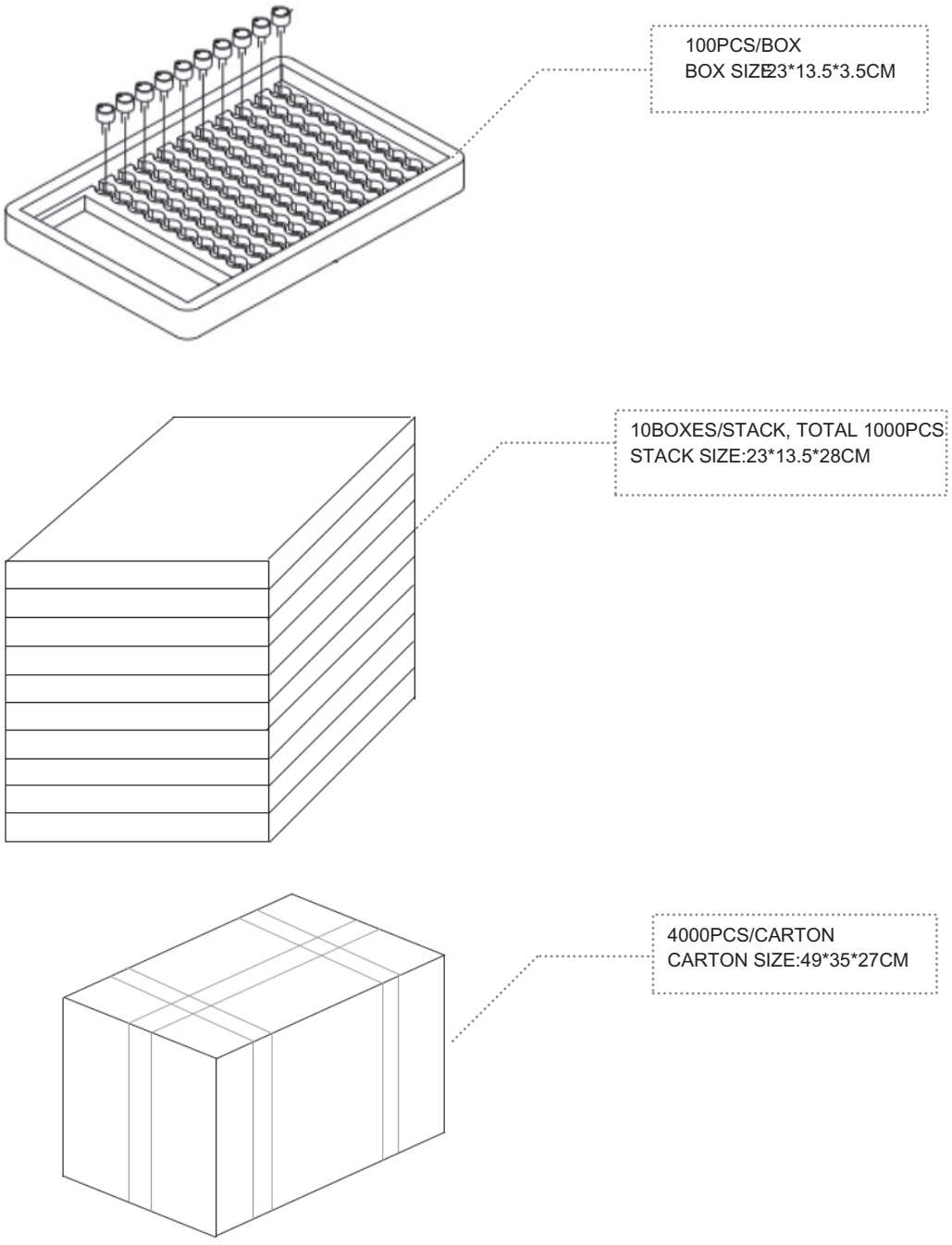
Directivity



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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