

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

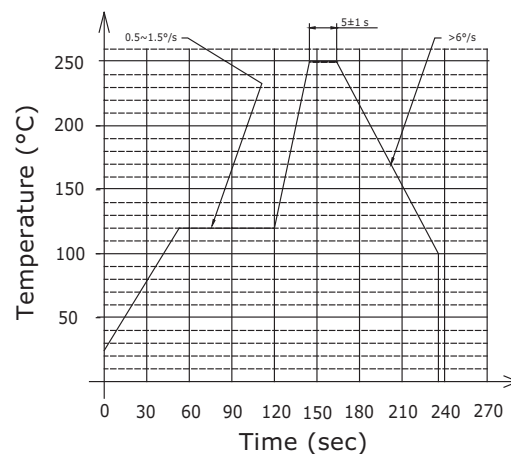
- aluminium can
- open type
- receiver
- sensitivity -70 dBV
- detectable range 18 meters

**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/ μ Mbar
directivity			75		degree
capacitance	at 1 kHz	1,800	2,400	3,000	pF
detectable range		0.2		18	m
dimensions	$\varnothing 12.5 \times 9.5$				mm
material	aluminum				
terminal	pins (iron with tin plating)				
weight			1.58		g
operating temperature		-30		85	$^{\circ}\text{C}$
RoHS	yes				

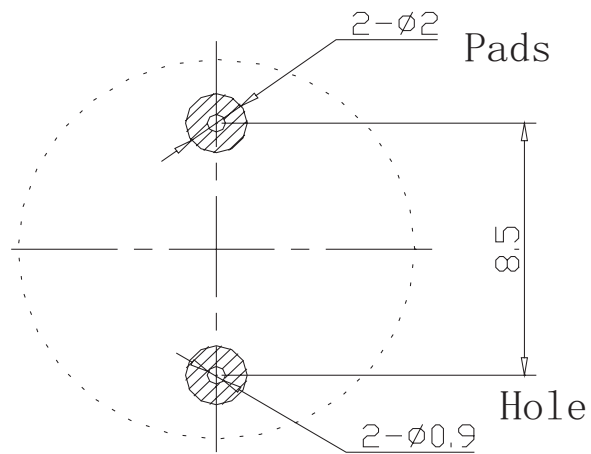
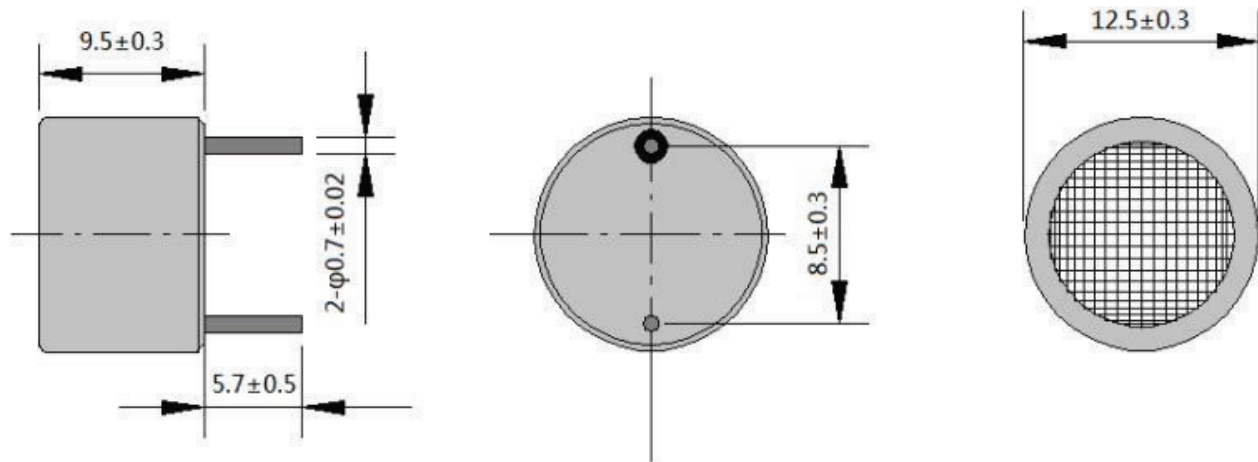
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering				250	$^{\circ}\text{C}$



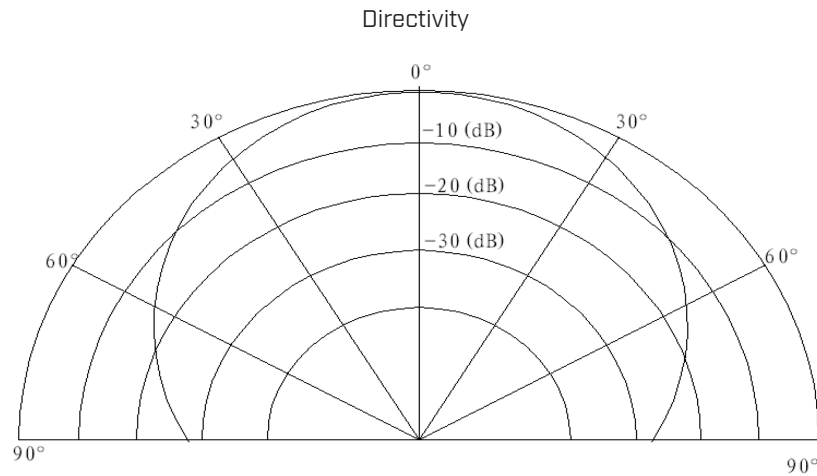
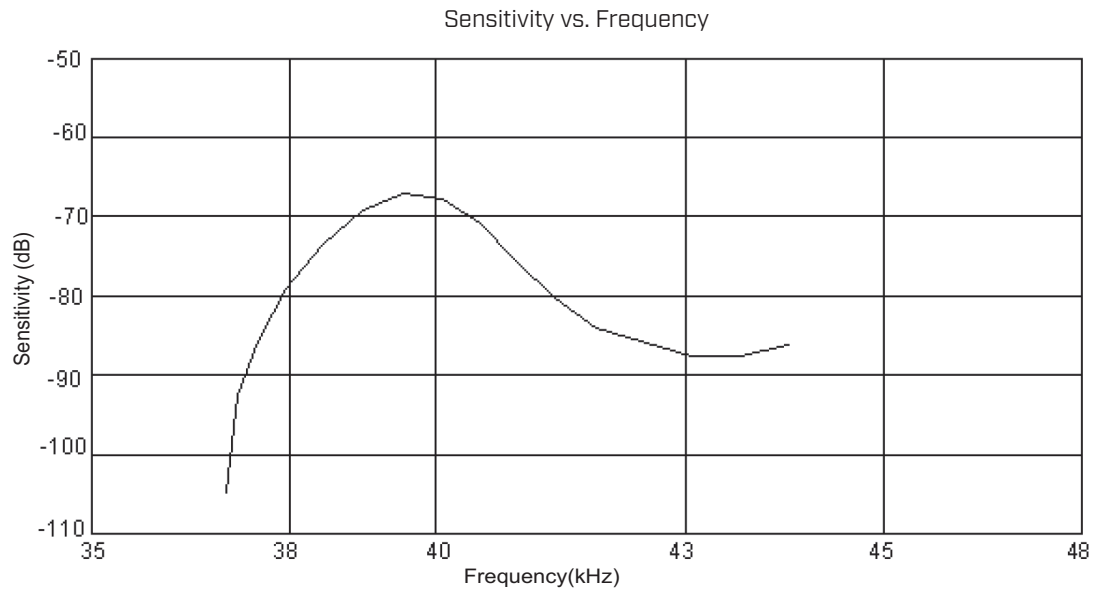
MECHANICAL DRAWING

units: mm



Recommended PCB Layout
Top View

BEAM PATTERNS



PACKAGING

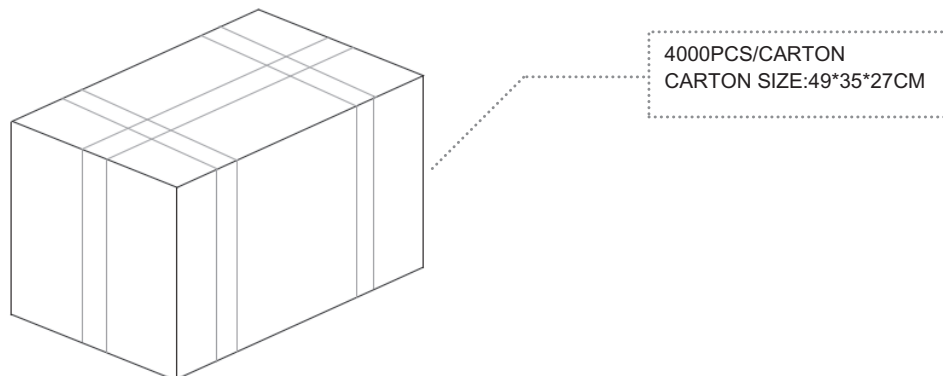
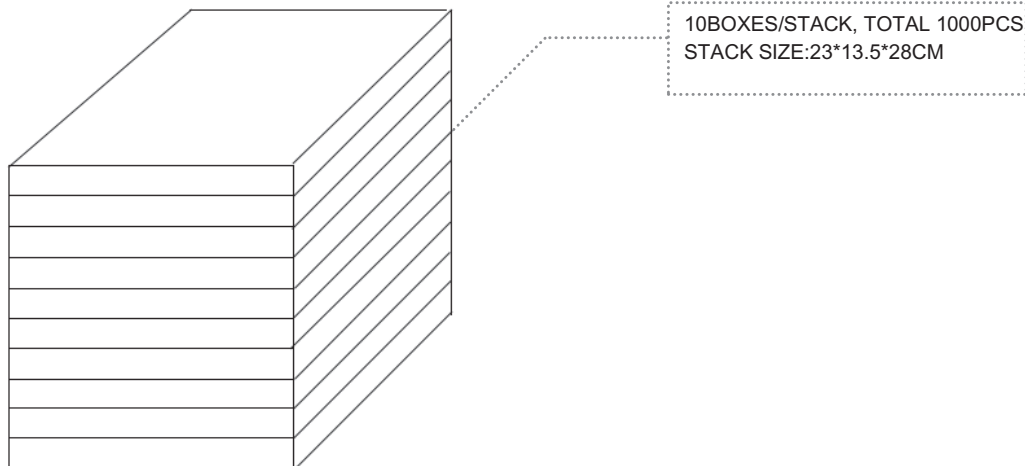
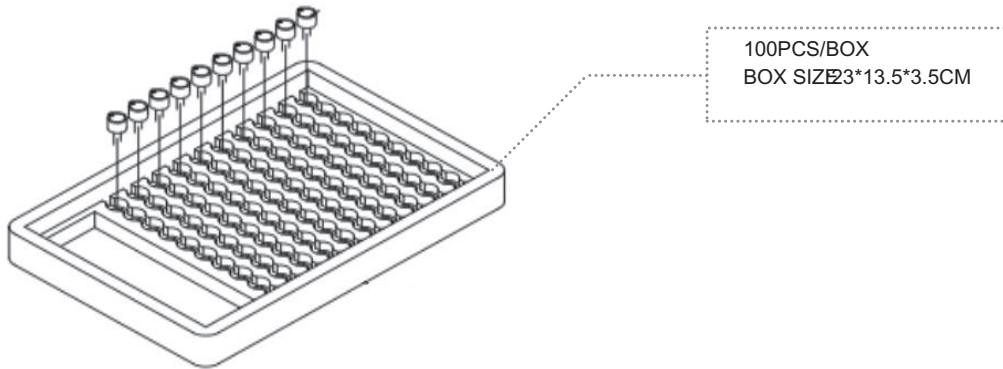
units: mm

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
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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



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

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