

**MODEL:** CUSA-TR09-02-1000-TH67 | **DESCRIPTION:** ULTRASONIC SENSOR**FEATURES**

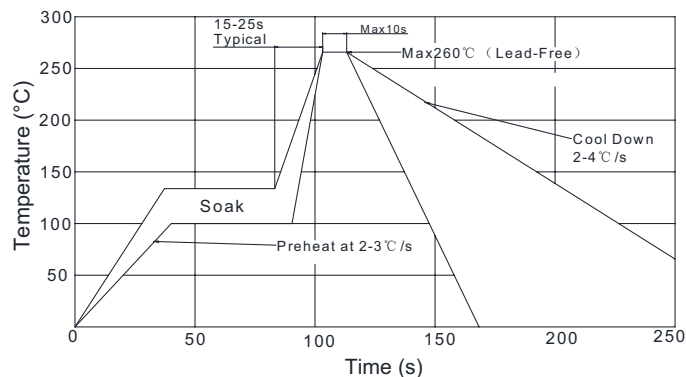
- aluminum can
- IP67 rated
- combination unit: receiver & transmitter
- high frequency

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
type	transmitter/receiver				
operating voltage	at 200 kHz			500	Vp-p
frequency		185	200	215	kHz
echo sensitivity	at 0.2 m	1,800			mV
directivity	at -6 dB	7	9	11	degree
capacitance	at 1 kHz	280	400	520	pF
detectable range		0.1		2.0	m
response time	at 200 Vp-p, 200 kHz			0.58	ms
dimensions	Ø19 x 11				mm
material	aluminum				
terminal	pins (brass with tin plating)				
weight			6.4		g
operating temperature		-40		80	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IP67				

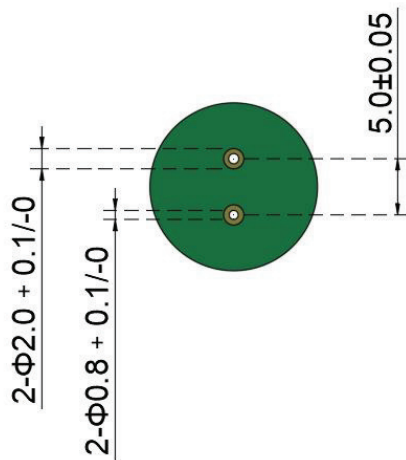
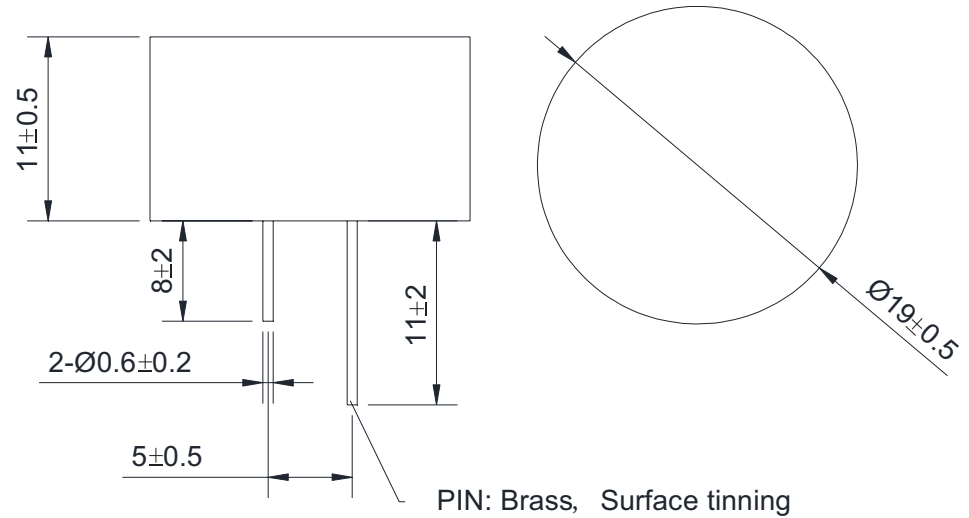
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering				260	°C



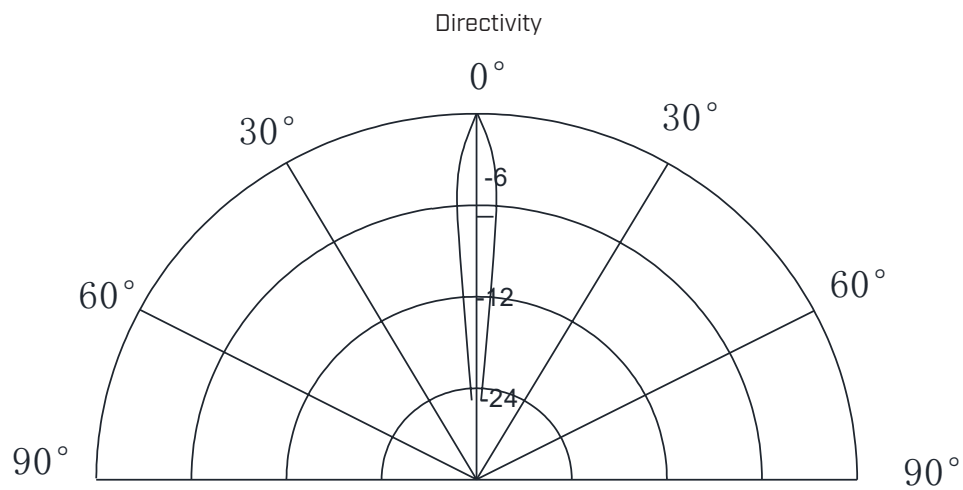
MECHANICAL DRAWING

units: mm



Recommended PCB Layout
Top View

BEAM PATTERNS



PACKAGING

units: mm

Tray Size: 235 x 135 x 30 mm

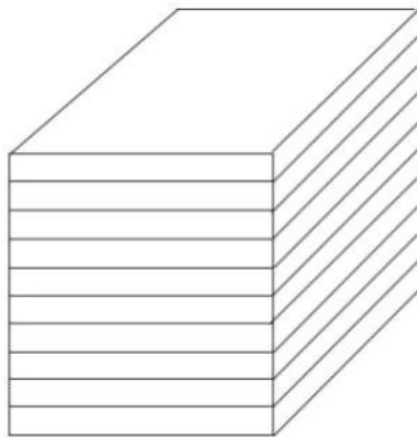
Tray QTY: 50 pcs per tray

Carton Size: 280 x 285 x 240 mm

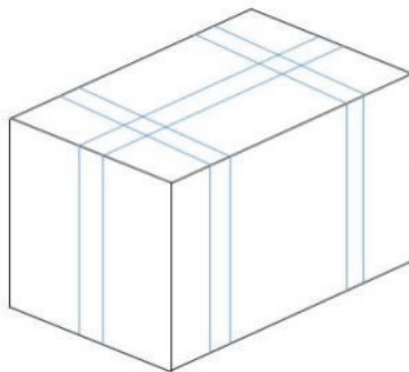
Carton QTY: 1,000 pcs per carton



50PCS/BOX
BOX SIZE:23.5*13.5*3CM



10BOXES/STACK, TOTAL 500PCS
STACK SIZE:23.5*13.5*31CM



1000PCS/CARTON
CARTON SIZE:28*28.5*24CM

REVISION HISTORY

rev.	description	date
1.0	initial release	05/24/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	changed capacitance	12/09/2025

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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