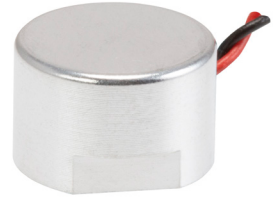


**MODEL:** CUSA-TR50-05-2000-W68 | **DESCRIPTION:** ULTRASONIC SENSOR**FEATURES**

- aluminum can
- IP68 rated
- combination unit: receiver & transmitter
- wire leads

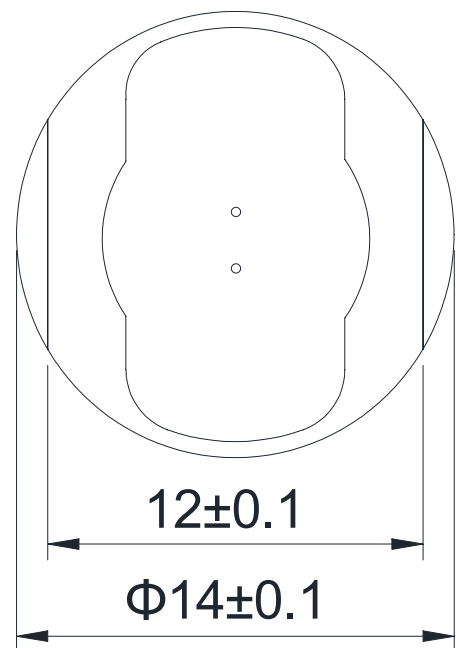
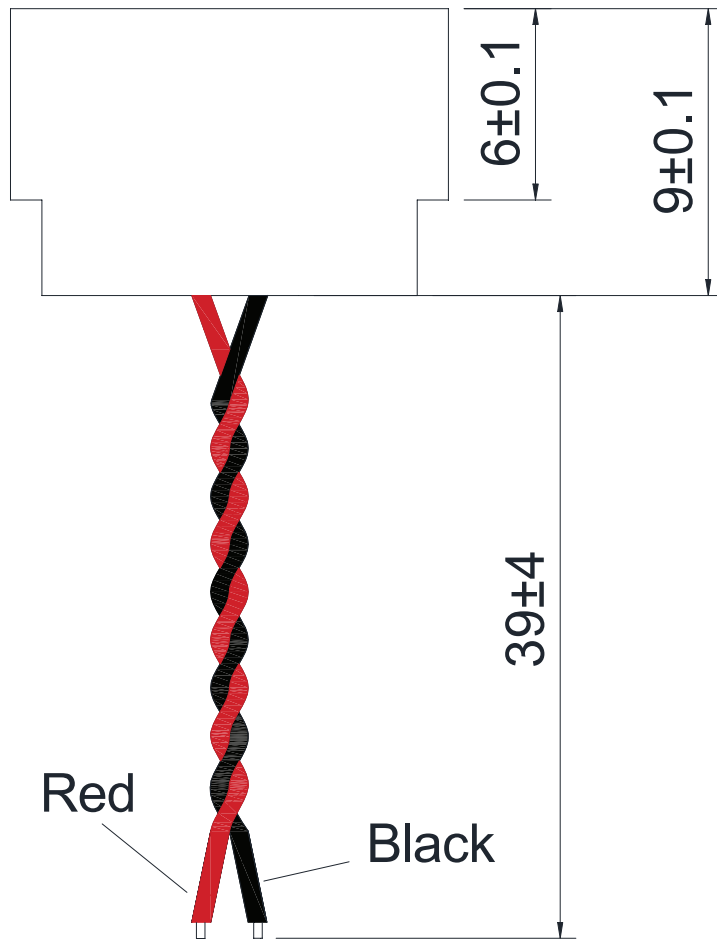
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
type	transmitter/receiver				
operating voltage	at 58 kHz			150	Vp-p
frequency		56.5	58	59.5	kHz
echo sensitivity	at 1 m	90			mV
sound pressure level	at 10 V, 30 cm, sine wave	85			dB
directivity	horizontal angle at -6 dB	80	95	110	degree
	vertical angle at -6 dB	35	50	65	degree
capacitance	at 1 kHz	1,600	2,000	2,400	pF
detectable range		0.25		5.0	m
response time				1.0	ms
impedance				3,000	Ω
dimensions	$\varnothing 14 \times 9.0$				mm
material	aluminum				
terminal	wire leads				
weight			2.96		g
operating temperature		-40		80	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	yes				
IP level	IP68				

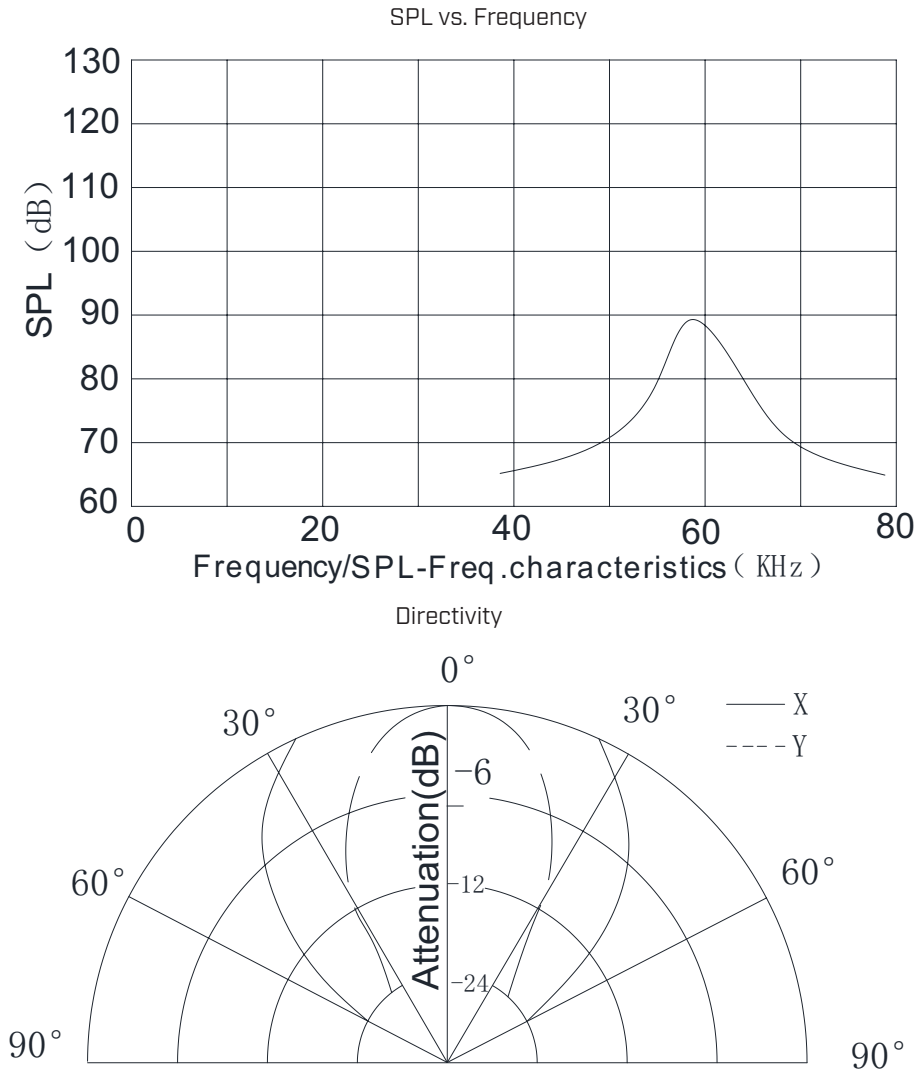
MECHANICAL DRAWING

units: mm

wire: UL1571 30 AWG



BEAM PATTERNS



PACKAGING

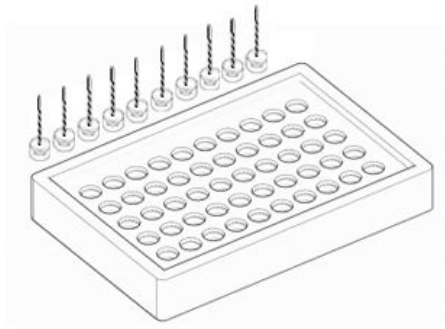
units: mm

Tray Size: 235 x 135 x 30 mm

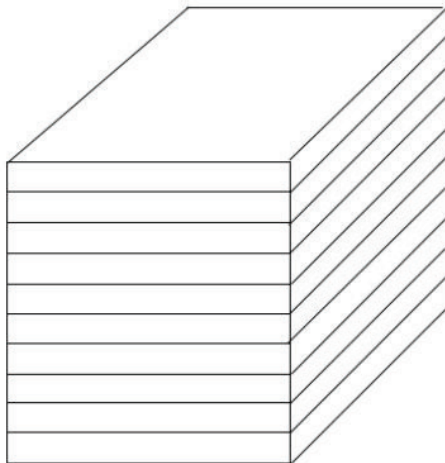
Tray QTY: 50 pcs per tray

Carton Size: 280 x 285 x 240 mm

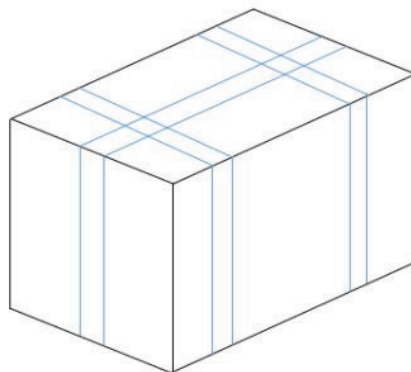
Carton QTY: 1,000 pcs per carton



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	05/17/2022
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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

sameskydevices.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Same Sky:](#)

[CUSA-TR50-05-2000-W68](#)