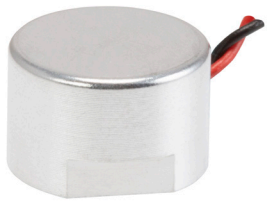
CUI DEVICES

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

FEATURES

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



RoHS IP68

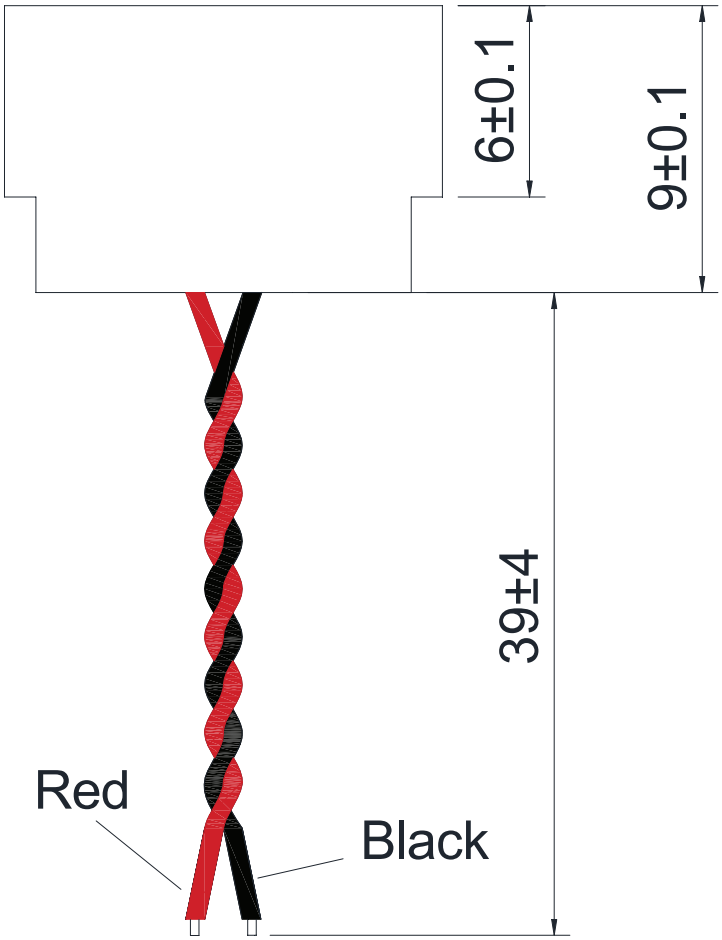
SPECIFICATIONS

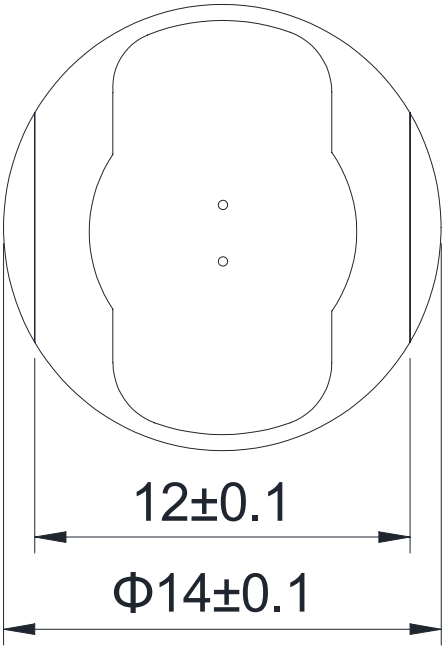
parameter	conditions/description	min	typ	max	units
type	transmitter/receiver				
operating voltage	at 58 kHz			150	Vp-p
frequency		56.5	58	59.5	kHz
echo sensitivity	at 1 m	90			mV
sound pressure level	at 10 V, 30 cm, sine wave	85			dB
directivity	horizontal angle at -6 dB vertical angle at -6 dB	80 35	95 50	110 65	degree 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	Ø14 x 9.0				mm
material	aluminum				
terminal	wire leads				
weight			2.96		g
operating temperature		-40		80	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IP68				

MECHANICAL DRAWING

units: mm

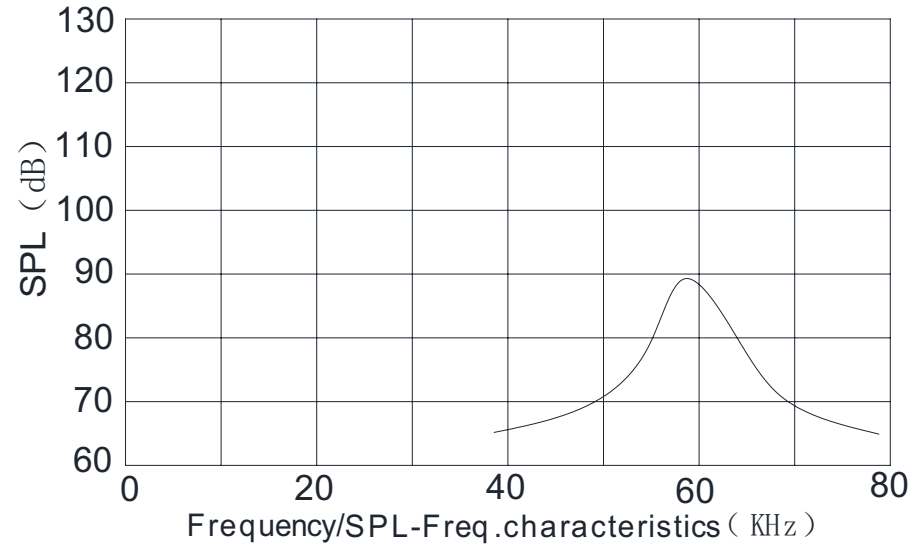
wire: UL1571 30 AWG



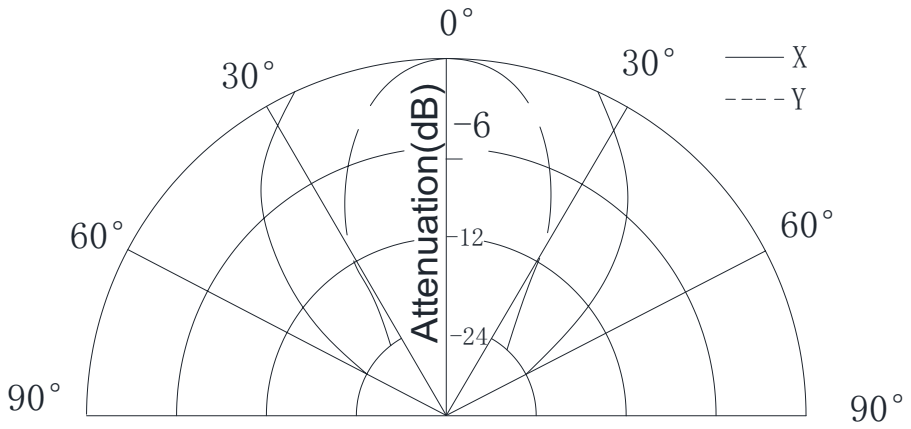


BEAM PATTERNS

SPL vs. Frequency



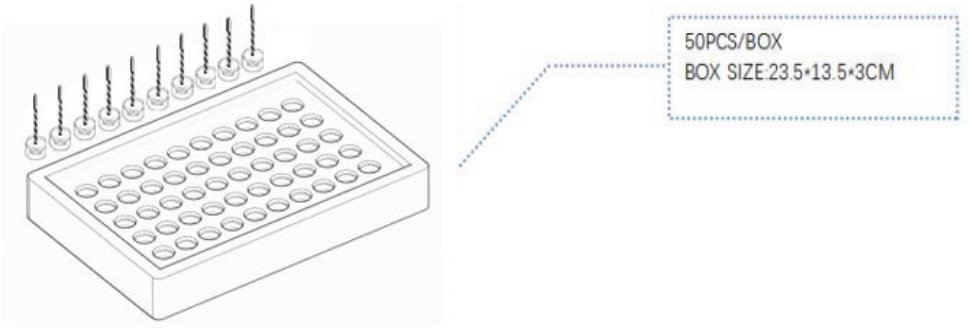
Directivity

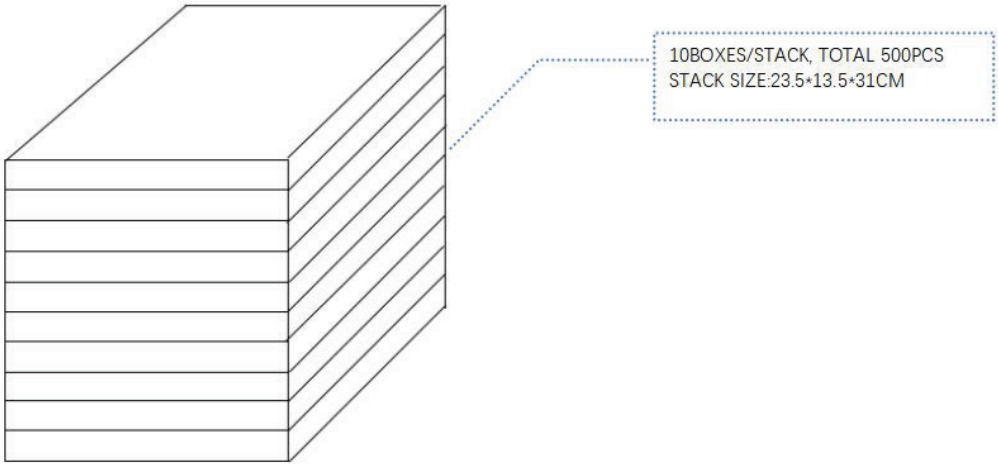


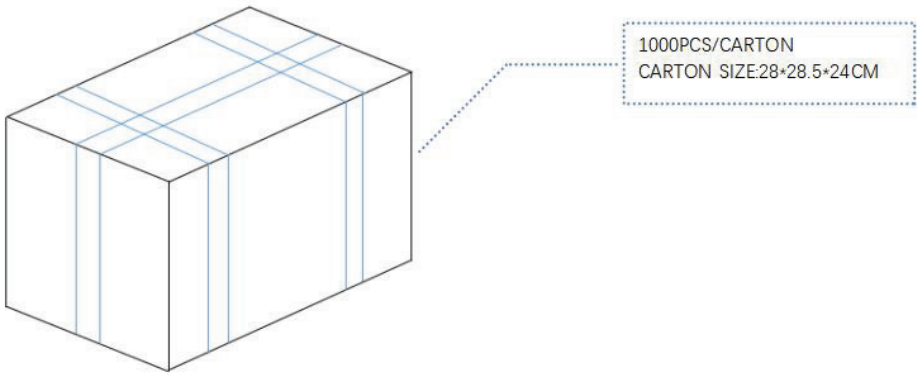
PACKAGING

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







REVISION HISTORY

rev.	description	date
1.0	initial release	05/17/2022

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.

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

CUI Devices 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.

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