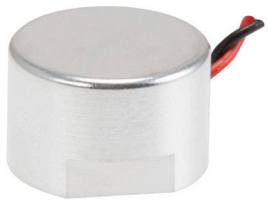
MODEL: CUSA-TR50-05-2000-W68 | DESCRIPTION: ULTRASONIC SENSOR

FEATURES

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



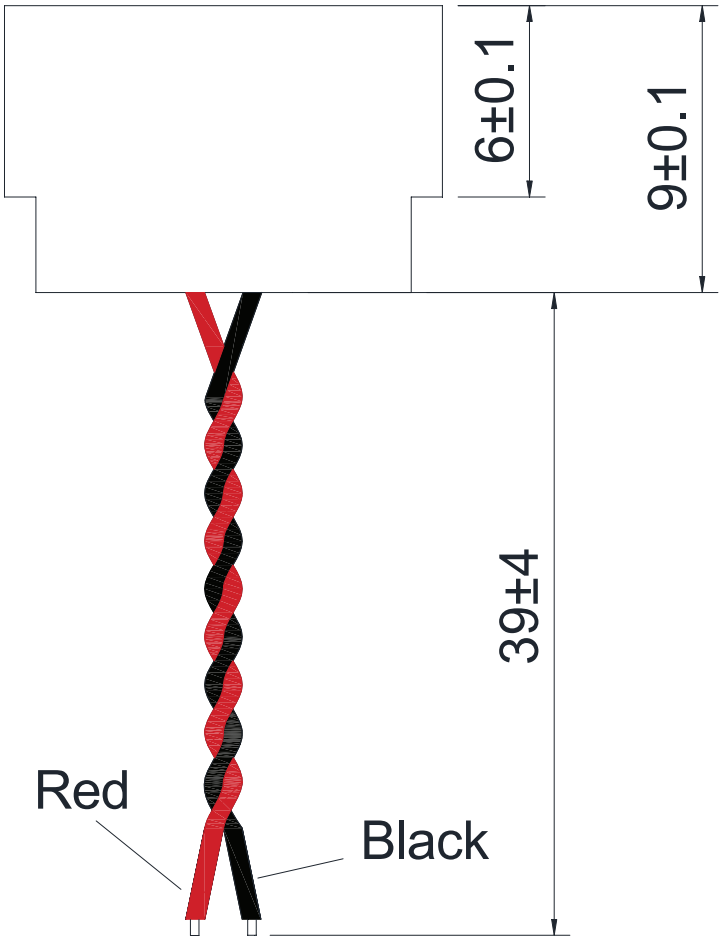
SPECIFICATIONS

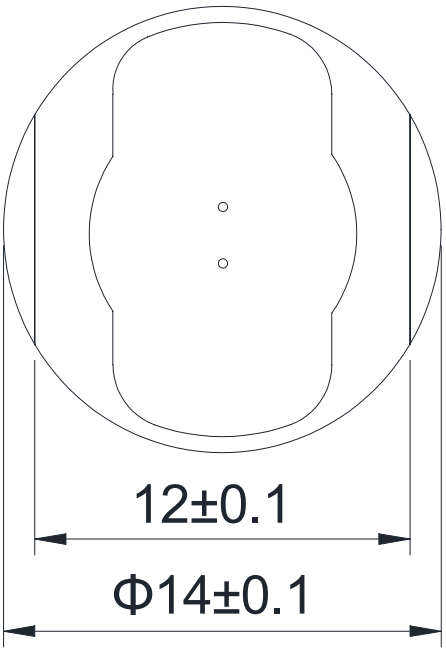
parameter	conditions/description	min	typ	max	units
type	transmitter/receiver				
operating voltage	at 58 kHz			150	Vp-p
frequency		56.5	58	59.5	kHz
echo sensitivity	at 1 m	90			mV
sound pressure level	at 10 V, 30 cm, sine wave	85			dB
directivity	horizontal angle at -6 dB vertical angle at -6 dB	80 35	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

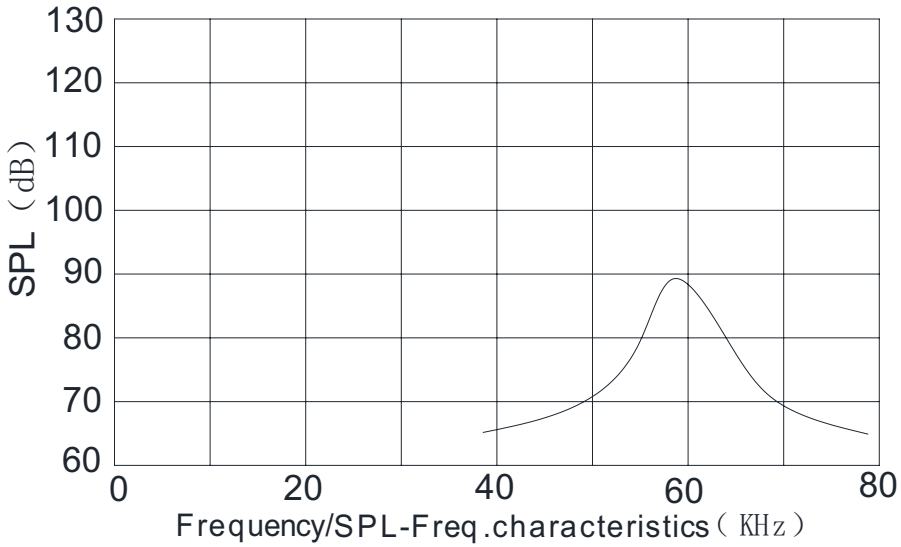
wire: UL1571 30 AWG



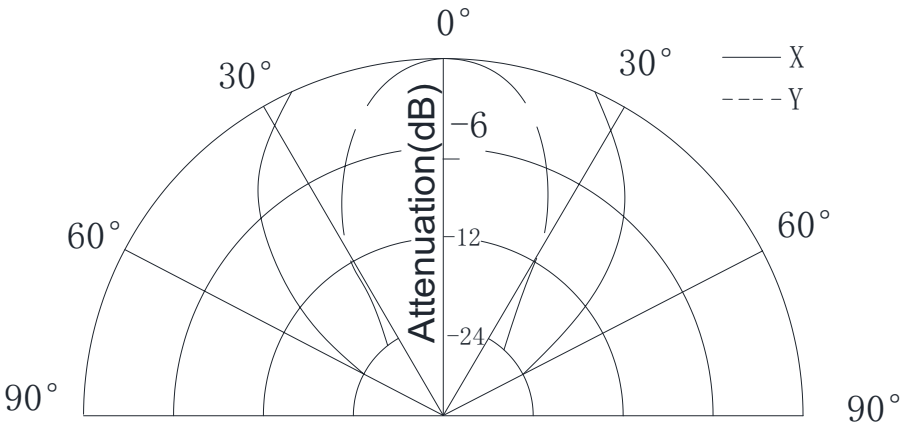


BEAM PATTERNS

SPL vs. Frequency



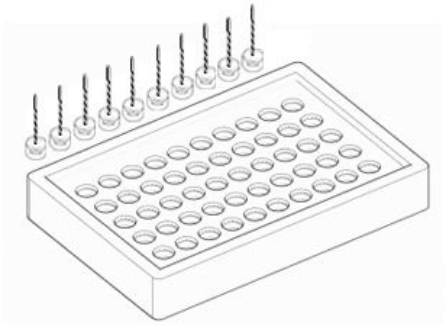
Directivity



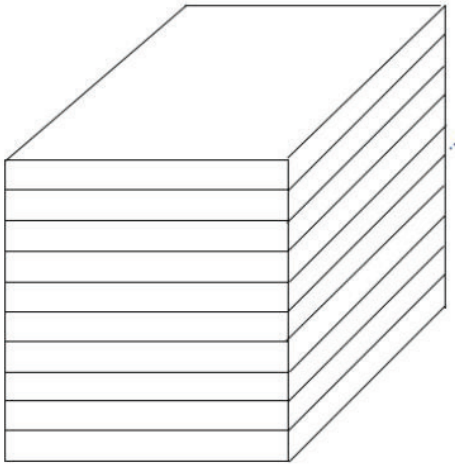
PACKAGING

units: mm

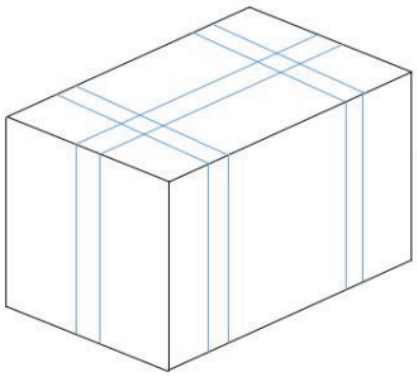
Tray Size: 235 x 135 x 30 mm
Tray QTY: 50 pcs per tray
Carton Size: 280 x 285 x 240 mm
Carton QTY: 1,000 pcs per carton



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

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

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

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