CUI DEVICES

MODEL: CUSA-TR50-150-2500-WC68 | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES

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

RoHS IP68

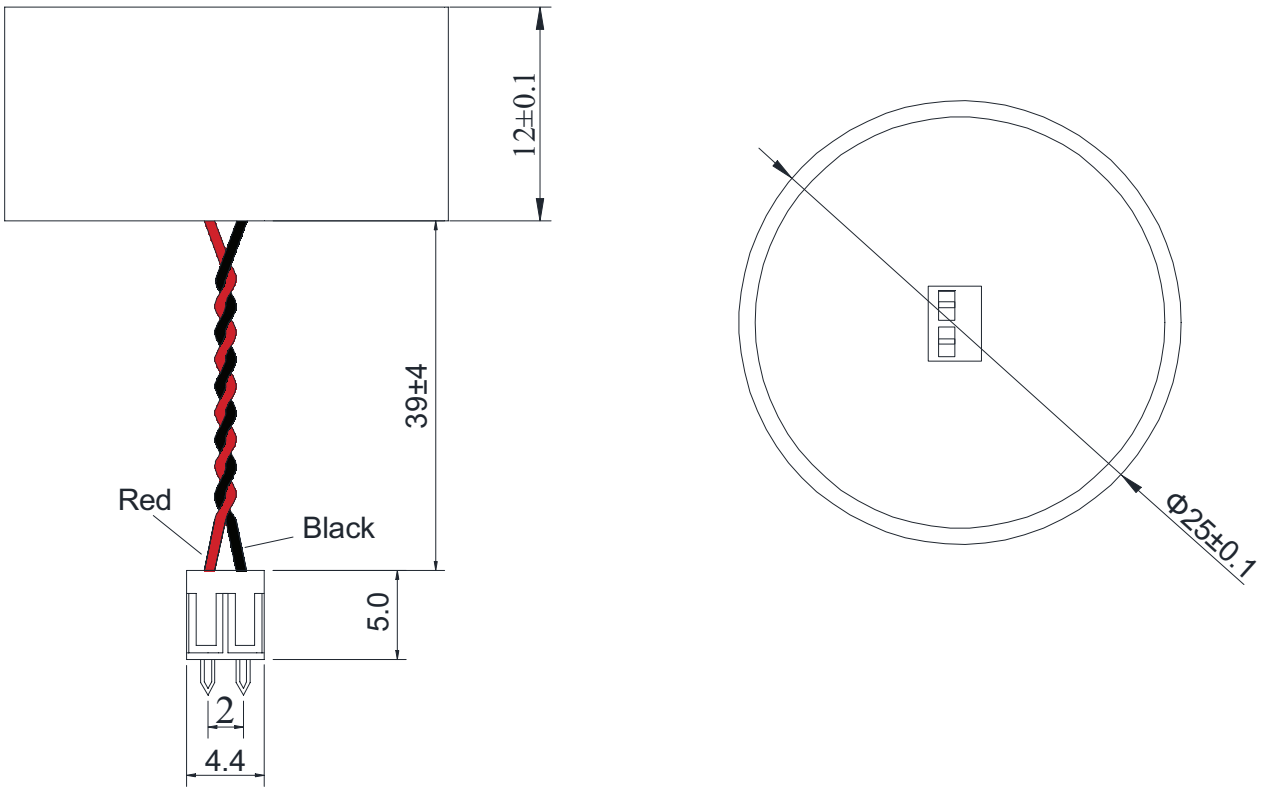
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
type	transmitter/receiver				
operating voltage	at 25 kHz			150	Vp-p
frequency		23.5	25	26.5	kHz
echo sensitivity	at 1 m	150			mV
sound pressure level	at 10 V, 30 cm, sine wave	110			dB
directivity	at -6 dB	35	50	65	degree
capacitance	at 1 kHz	2,000	2,500	3,000	pF
detectable range		0.5		15.0	m
response time				2.0	ms
impedance				3,000	Ω
dimensions	Ø25 x 12				mm
material	aluminum				
terminal	wire leads with connetcor				
weight			7.52		g
operating temperature		-40		80	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IP68				

MECHANICAL DRAWING

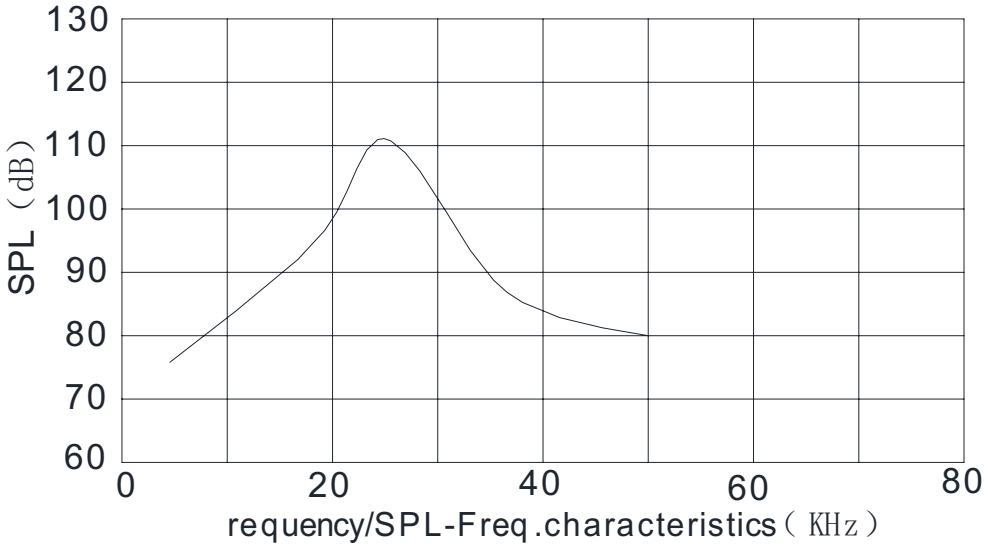
units: mm

wire: UL1571 30 AWG
connector: JAM P/N JB20-02HG

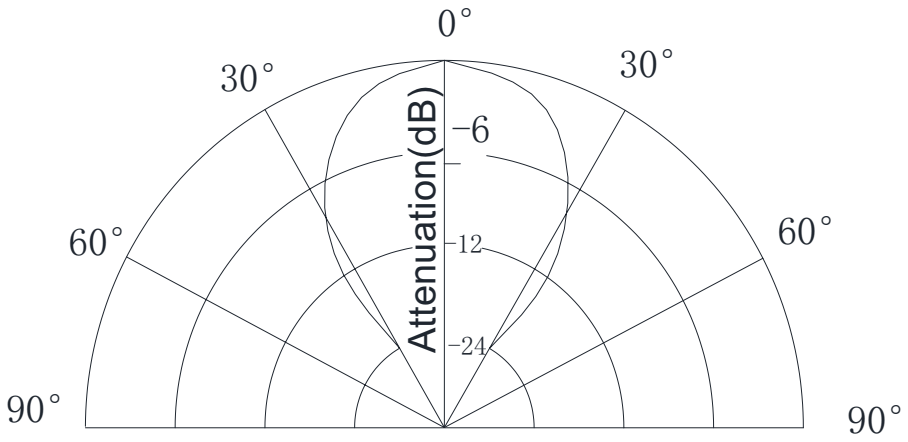


BEAM PATTERNS

SPL vs. Frequency



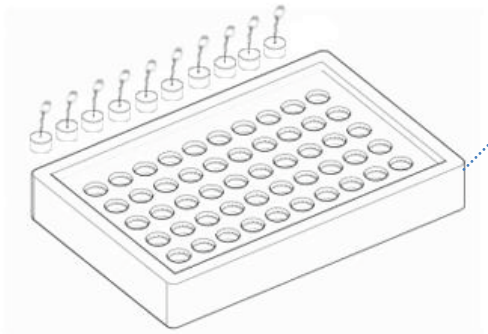
Directivity



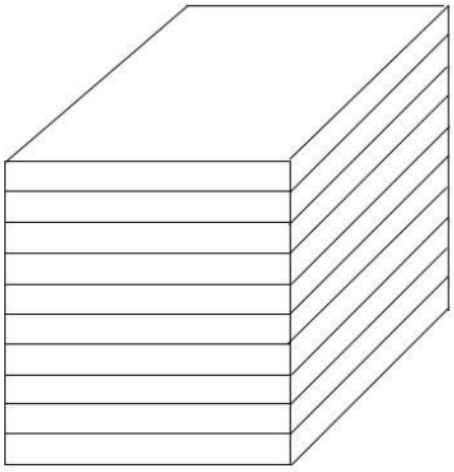
PACKAGING

units: mm

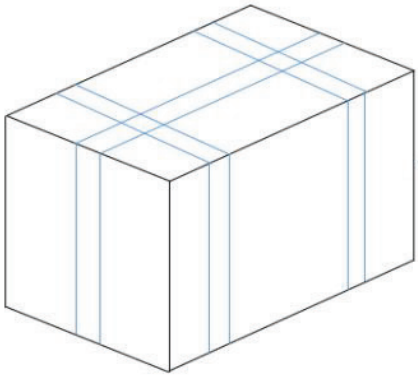
Tray Size: 350 x 195 x 35 mm
Tray QTY: 50 pcs per tray
Carton Size: 370 x 370 x 370 mm
Carton QTY: 1,000 pcs per carton



50PCS/BOX
BOX SIZE:35*19.5*3.5CM



10BOXES/STACK,TATAL 500PCS
STACK SIZE:35*19.5*35CM



1000PCS/CARTON
CARTON SIZE:37*37*37CM

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.