

MODEL: CUSP-TR12-010-1150-TH | **DESCRIPTION:** ULTRASONIC SENSOR**FEATURES**

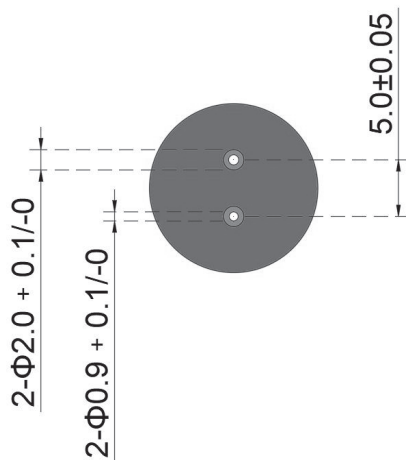
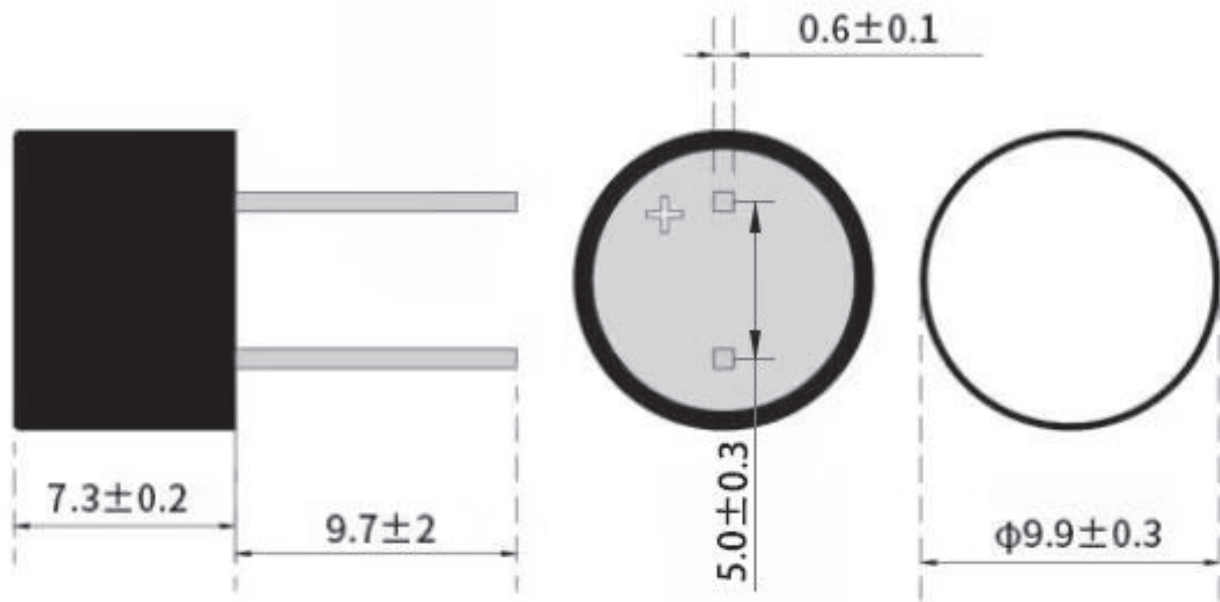
- plastic housing
- combination unit receiver & transmitter
- IP65
- through hole

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
type	receiver/transmitter				
operating voltage				50	Vp-p
frequency		270	300	330	kHz
echo sensitivity	at 10 cm	1.8		3.8	V
directivity	at -6 dB	9		12	degree
capacitance	at 1 kHz	920	1,150	1,380	pF
detectable range		0.05		1	m
response time	at 10 Vp-p, 5 pulses, 300 kHz			0.30	ms
impedance	at internal resistance 100 Ω , 1 kHz, 1 V	960	1,200	1,440	Ω
dimensions	$\varnothing 9.9 \times 7.3$				mm
material	nylon (black)				
terminal	pins				
weight			1.1		g
operating temperature		-20		60	$^{\circ}\text{C}$
storage temperature		-20		70	$^{\circ}\text{C}$
RoHS	yes				
IP level	IP65				

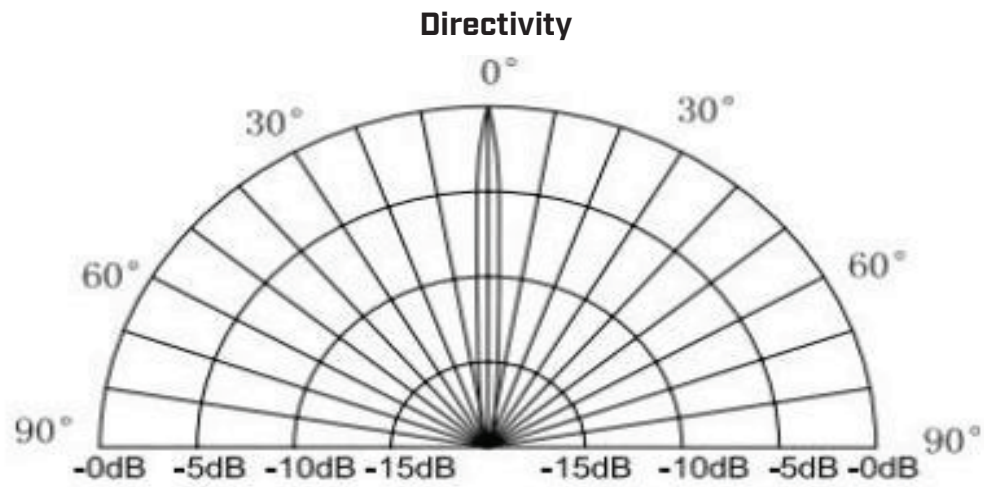
MECHANICAL DRAWING

units: mm



Recommended PCB Layout
Top View

BEAM PATTERNS



PACKAGING

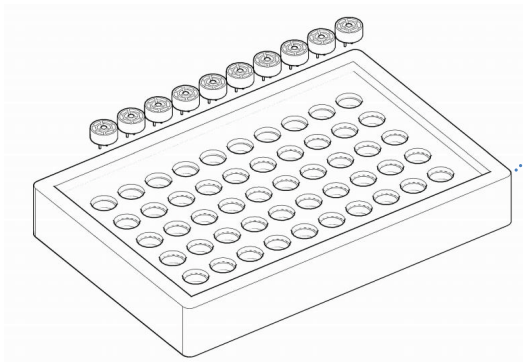
units: cm

Tray Size: 23.5 x 13.5 x 3 cm

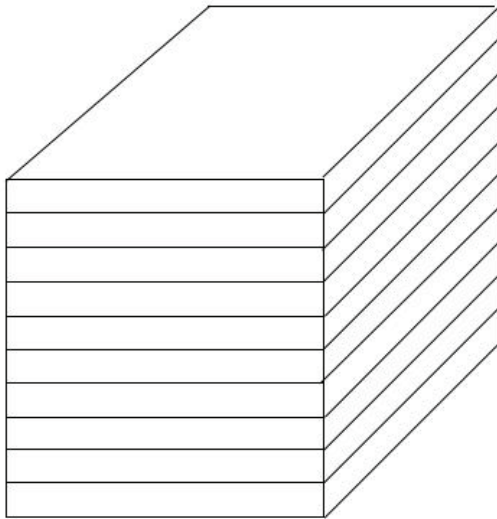
Tray QTY: 50 pcs per tray

Carton Size: 47.5 x 28.5 x 32 cm

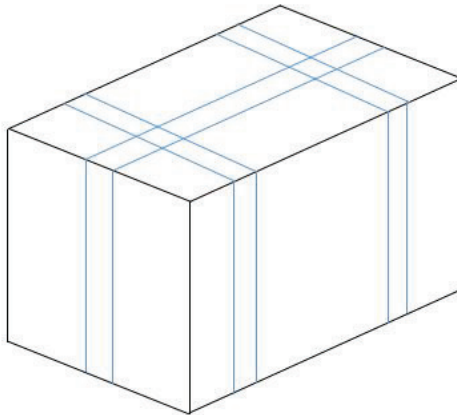
Carton QTY: 2,000 pcs per carton



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



10BOXES/STACK, TOTAL 500PCS
STACK SIZE:23.5*13.5*27.5CM



2000PCS/CARTON
CARTON SIZE:47.5*28.5*32CM

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