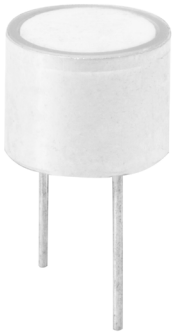
CUI DEVICES

MODEL: CUSA-TR07-01-400-TH67 | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES
- aluminum can
- IP67 rated
- combination unit: receiver & transmitter
- high frequency



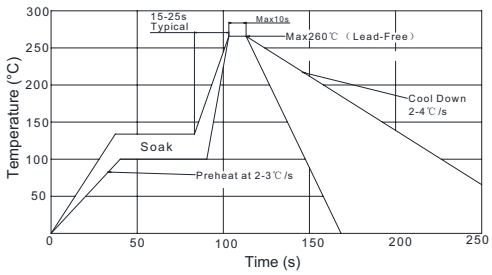
RoHS IP67

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
type	transmitter/receiver				
operating voltage	at 300 kHz			400	Vp-p
frequency		285	300	315	kHz
echo sensitivity	at 0.1 m	200			mV
directivity	at -6 dB	5	7	9	degree
capacitance	at 1 kHz	280	400	520	pF
detectable range		0.05		1.0	m
response time	at 200 Vp-p, 300 kHz			0.29	ms
dimensions	Ø10 x 7.0				mm
material	aluminum				
terminal	pins (brass with tin plating)				
weight			1.24		g
operating temperature		-40		80	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IP67				

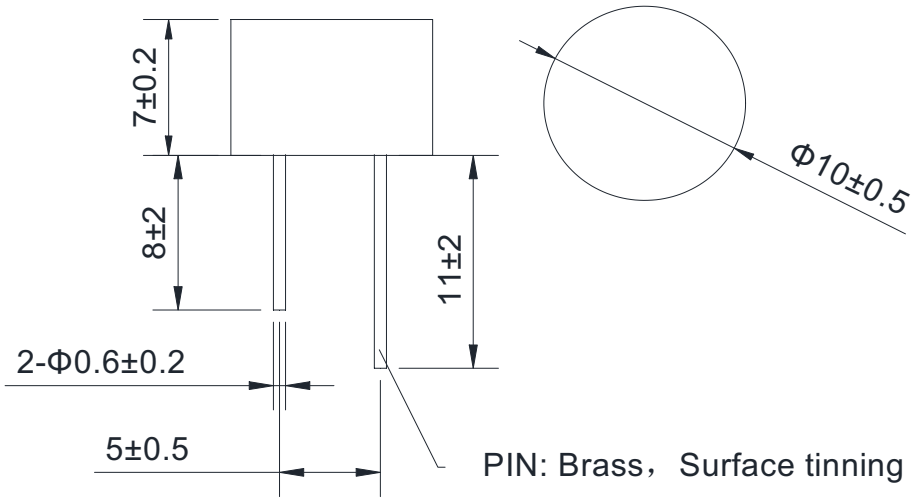
SOLDERABILITY

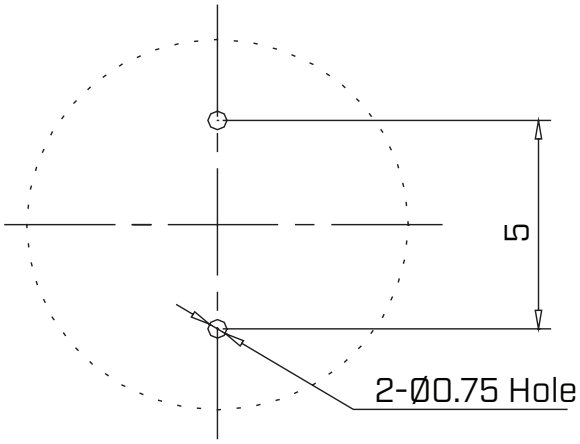
parameter	conditions/description	min	typ	max	units
wave soldering				260	°C



MECHANICAL DRAWING

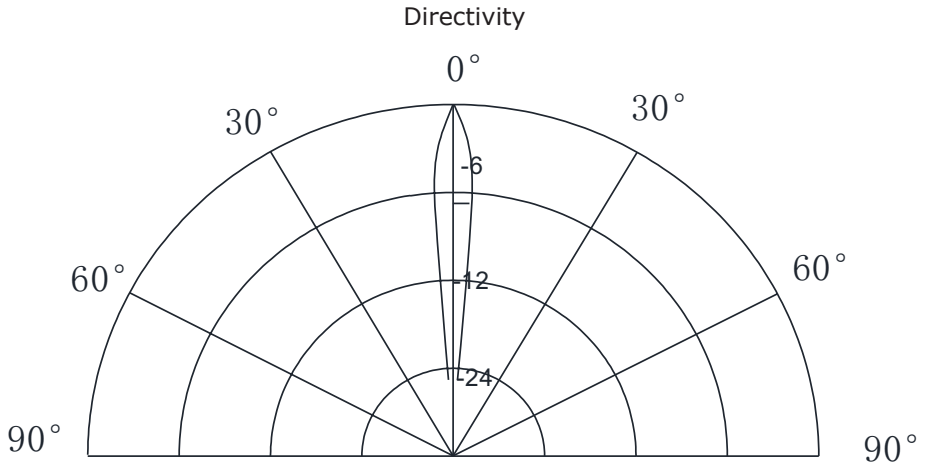
units: mm





Recommended PCB Layout
Top View

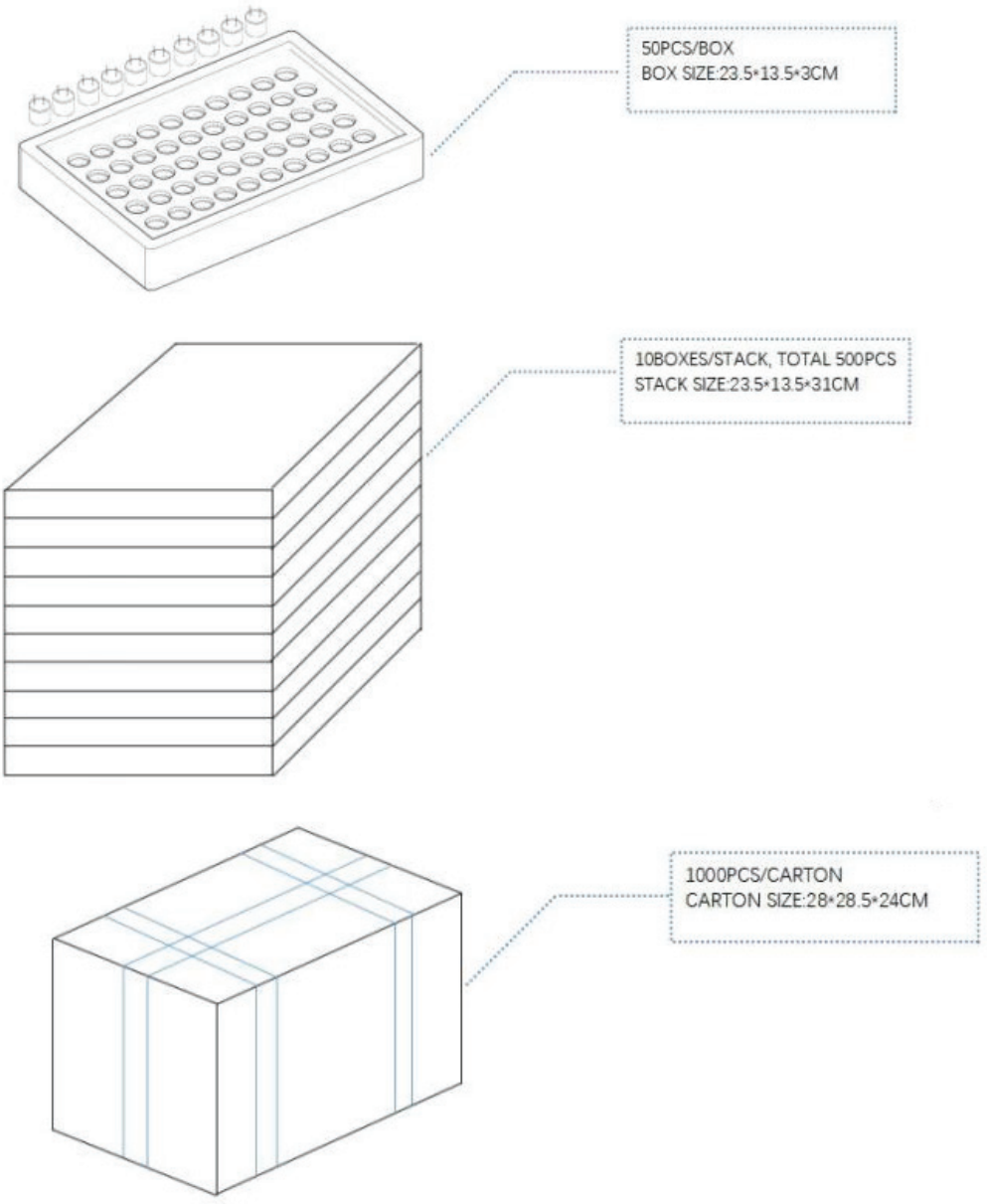
BEAM PATTERNS



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



REVISION HISTORY

rev.	description	date
1.0	initial release	05/24/2022

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.

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