CUI DEVICES

MODEL: CUSA-TR801-065-2000-TH68 | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES

- aluminum can
- IP68 rated
- combination unit: receiver & transmitter
- through hole



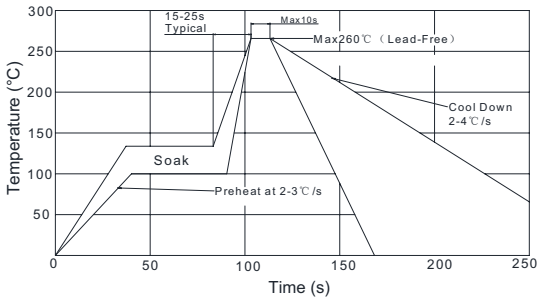
RoHS IP68

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
type	transmitter/receiver				
operating voltage	at 40 kHz			150	Vp-p
frequency		38.5	40	41.5	kHz
echo sensitivity	at 1 m	140			mV
sound pressure level	at 10 V, 30 cm, sine wave	96			dB
directivity	at -6 dB	65	80	95	degree
capacitance	at 1 kHz	1.600	2,000	2.400	pF
detectable range		0.3		6.5	m
response time				2.5	ms
impedance				3,000	Ω
dimensions	Ø18 x 12				mm
material	aluminum				
terminal	pins (brass with tin plating)				
weight			5.34		g
operating temperature		-40		80	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IP68				

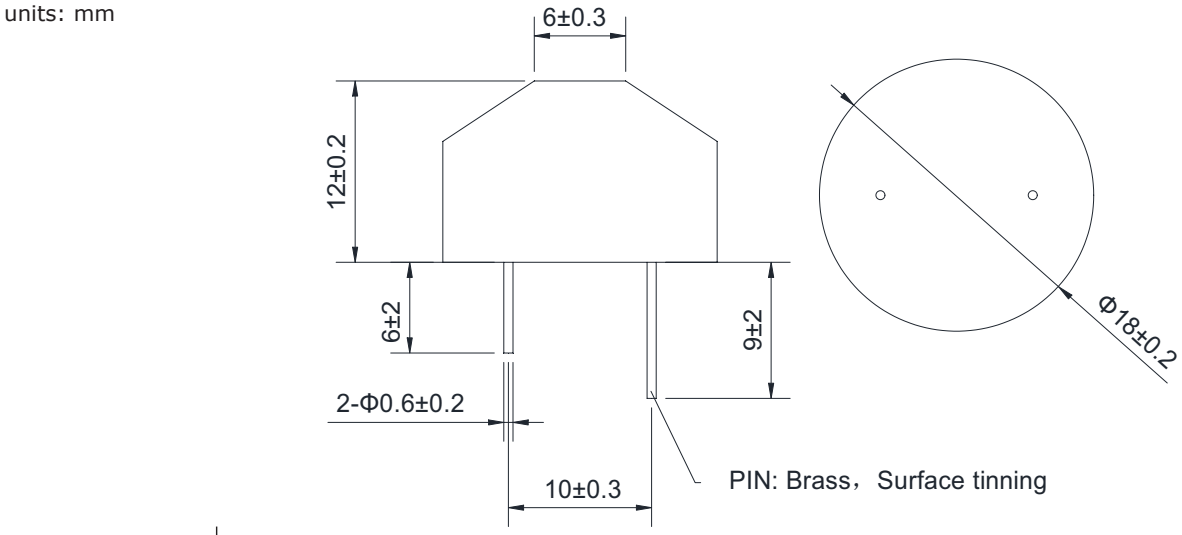
SOLDERABILITY

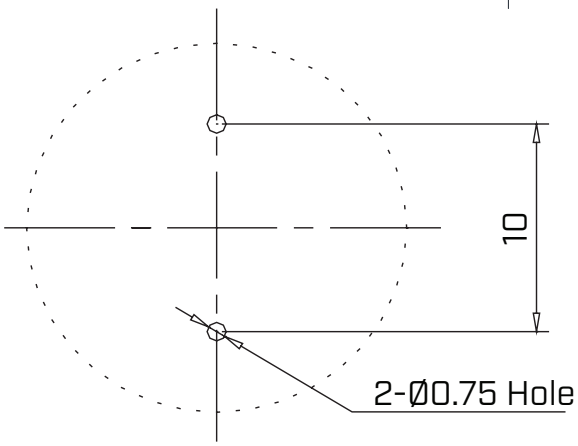
parameter	conditions/description	min	typ	max	units
wave soldering				260	°C



MECHANICAL DRAWING

units: mm

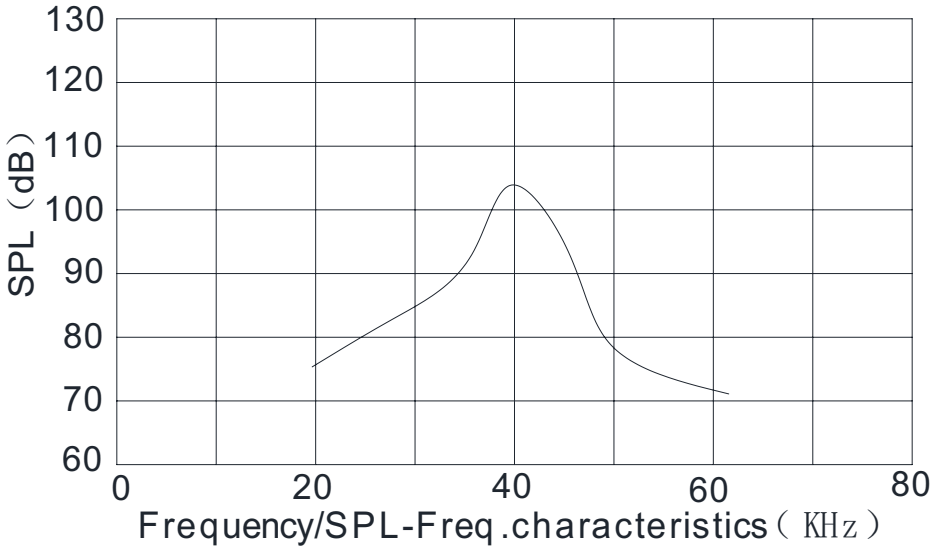




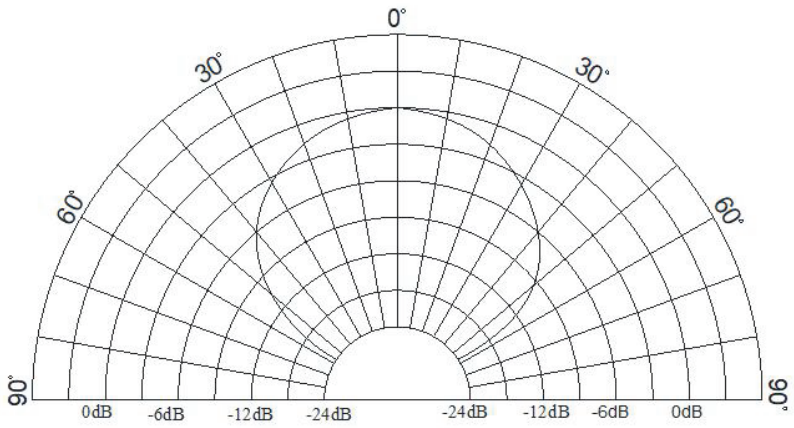
Recommended PCB Layout
Top View

BEAM PATTERNS

SPL vs. Frequency



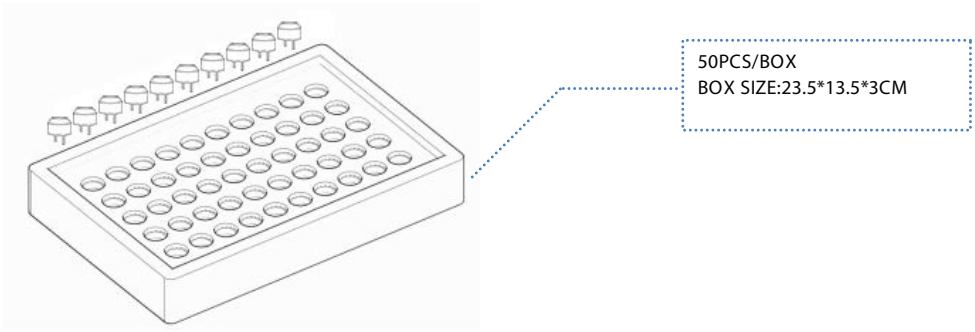
Directivity

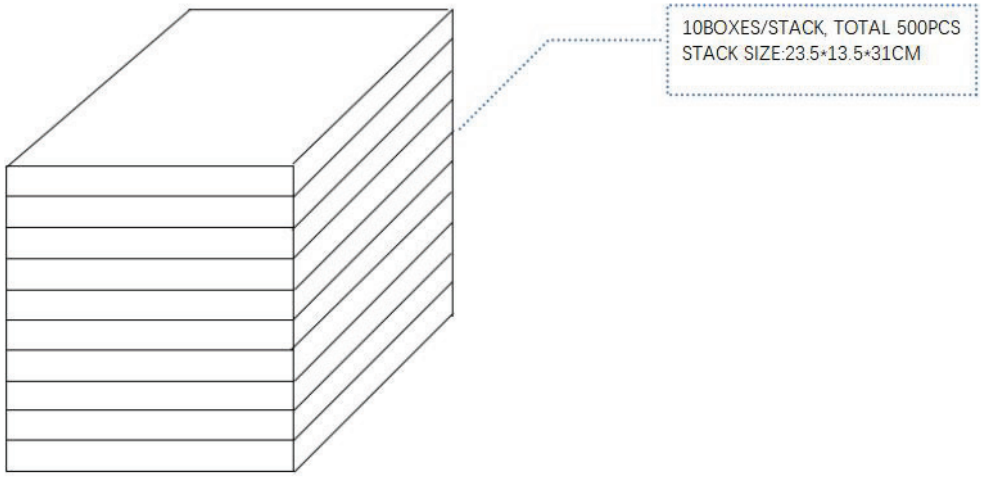


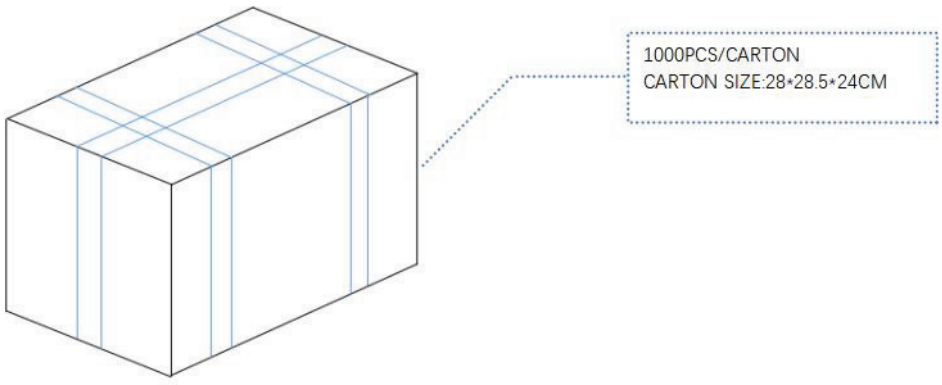
PACKAGING

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	05/19/2022

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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