CUI Devices is now Same Sky! Learn More

MODEL: CUSA-TR60-02-2000-TH67 | DESCRIPTION: ULTRASONIC SENSOR

FEATURES

- aluminum can
- IP67 rated
- combination unit: receiver & transmitter
- through hole

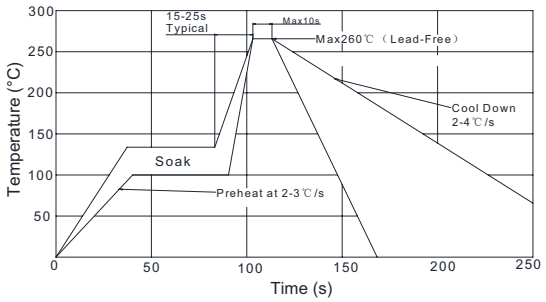


SPECIFICATIONS

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	120			mV
sound pressure level	at 10 V, 30 cm, sine wave	90			dB
directivity	at -6 dB	45	60	75	degree
capacitance	at 1 kHz	1,600	2,000	2,400	pF
detectable range		0.5		2	m
response time				1.8	ms
impedance				3,000	Ω
dimensions	Ø10 x 7.0				mm
material	aluminum				
terminal	pins (brass with tin plating)				
weight			0.76		g
operating temperature		-40		80	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IP67				

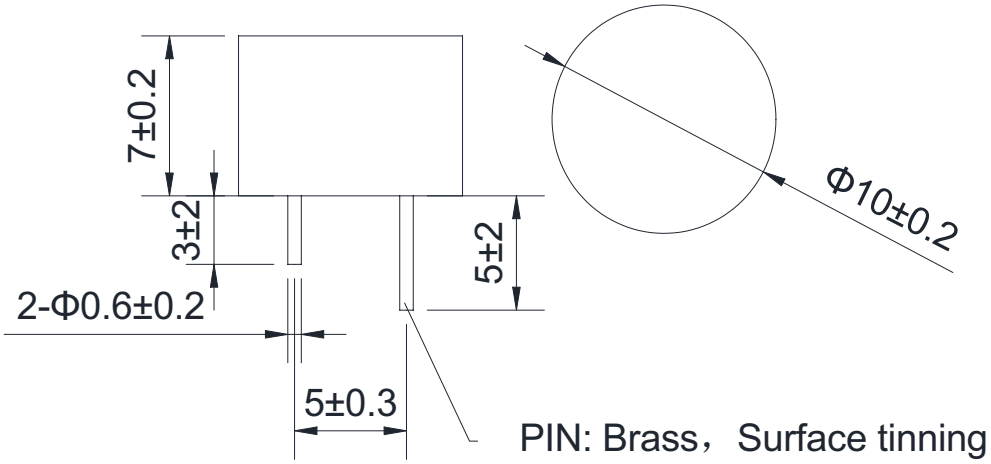
SOLDERABILITY

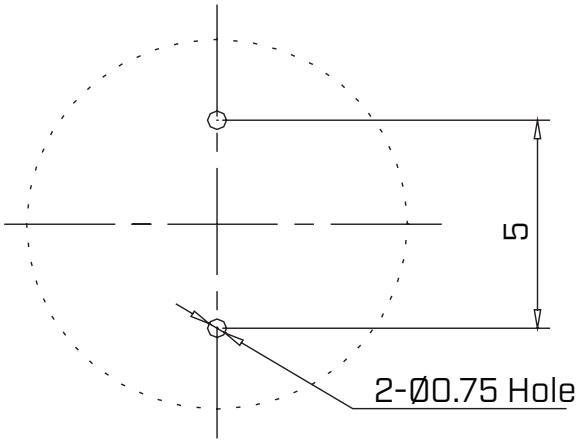
parameter	conditions/description	min	typ	max	units
wave soldering				260	°C



MECHANICAL DRAWING

units: mm

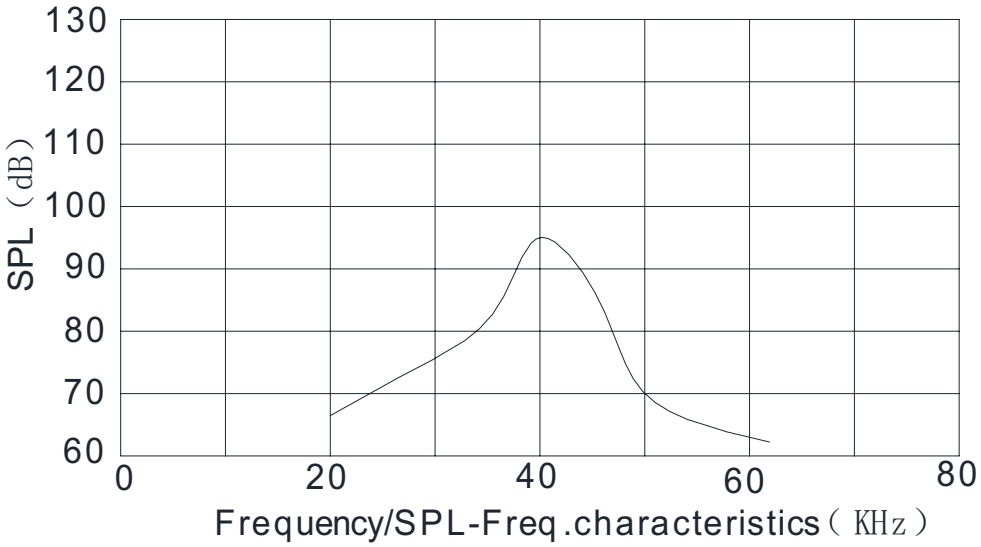




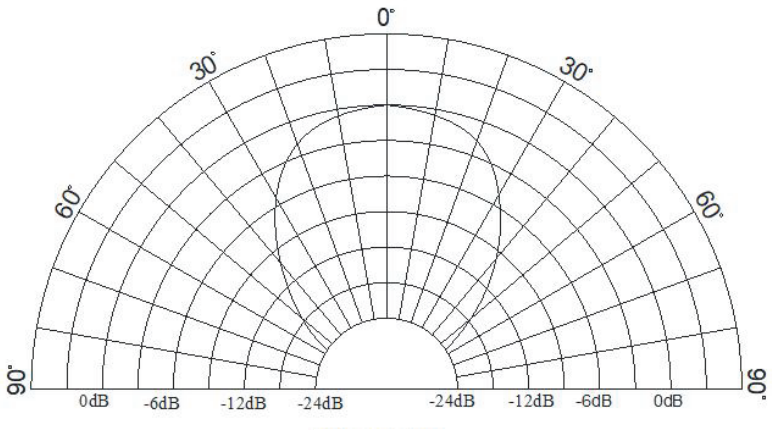
Recommended PCB Layout
Top View

BEAM PATTERNS

SPL vs. Frequency



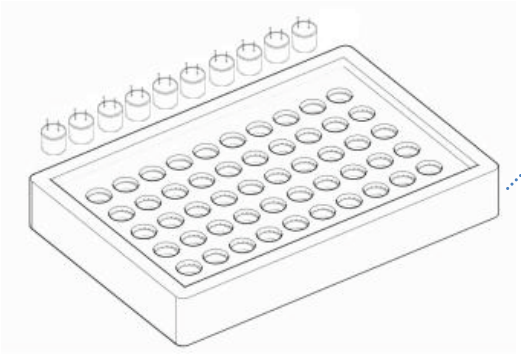
Directivity



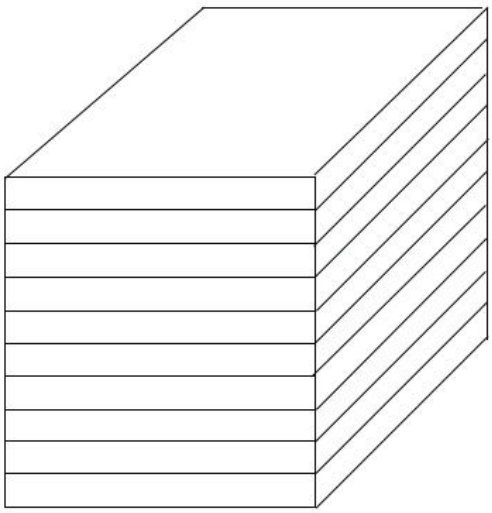
PACKAGING

units: mm

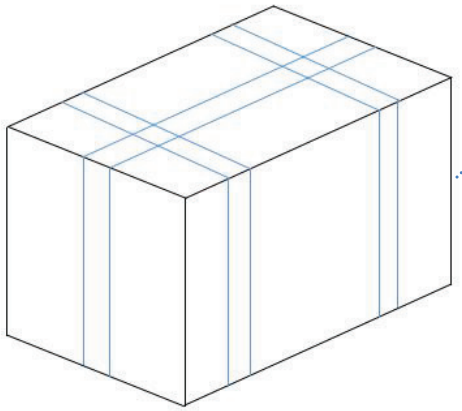
Tray Size: 235 x 135 x 30 mm
Tray QTY: 50 pcs per tray
Carton Size: 280 x 285 x 240 mm
Carton QTY: 1,000 pcs per carton



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	05/18/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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

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

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.