CUI Devices is now Same Sky! Learn More

MODEL: CUSA-T80-12-2200-TH | DESCRIPTION: ULTRASONIC SENSOR

FEATURES

- aluminium can
- open type
- transmitter
- SPL 113 dB
- detectable range 12 meters

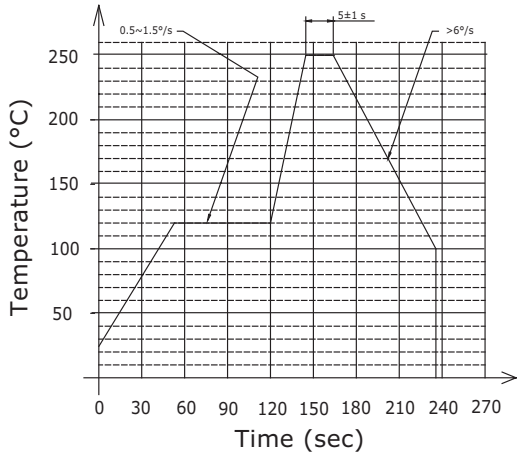
RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
type	transmitter				
operating voltage	at 23 kHz			150	Vp-p
frequency		22	23	24	kHz
sound pressure level	at 10 V, 30 cm, sine wave	113			dB
directivity			80		degree
capacitance	at 1 kHz	1,650	2,200	2,750	pF
detectable range		0.2		12	m
dimensions	Ø16.0 x 12.0				mm
material	aluminum				
terminal	pins (iron with tin plating)				
weight			2.31		g
operating temperature		-30		85	°C
RoHS	yes				

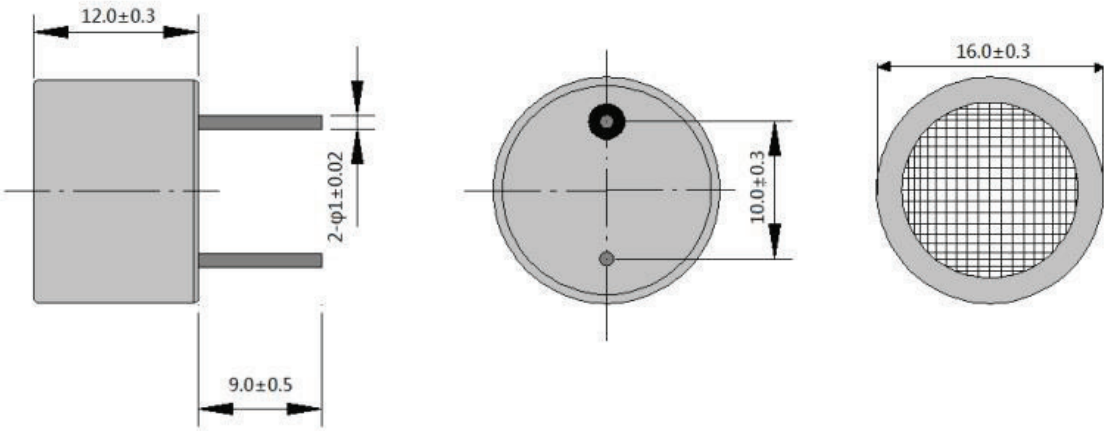
SOLDERABILITY

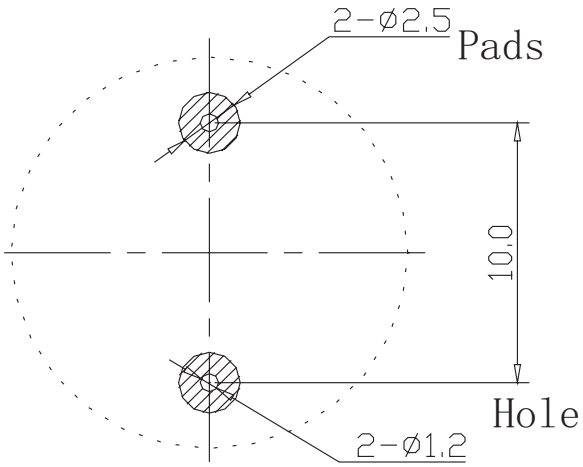
parameter	conditions/description	min	typ	max	units
wave soldering				250	°C



MECHANICAL DRAWING

units: mm

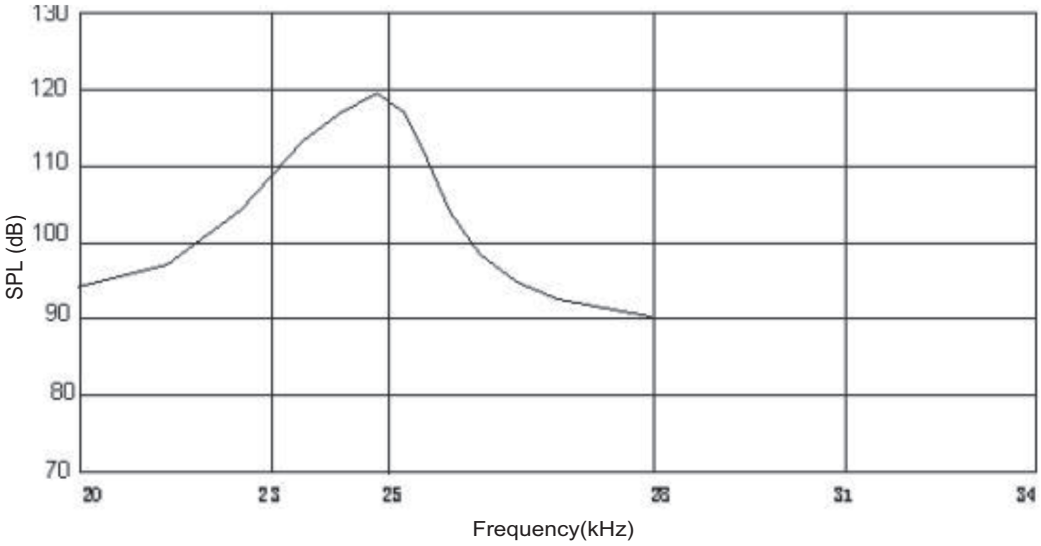




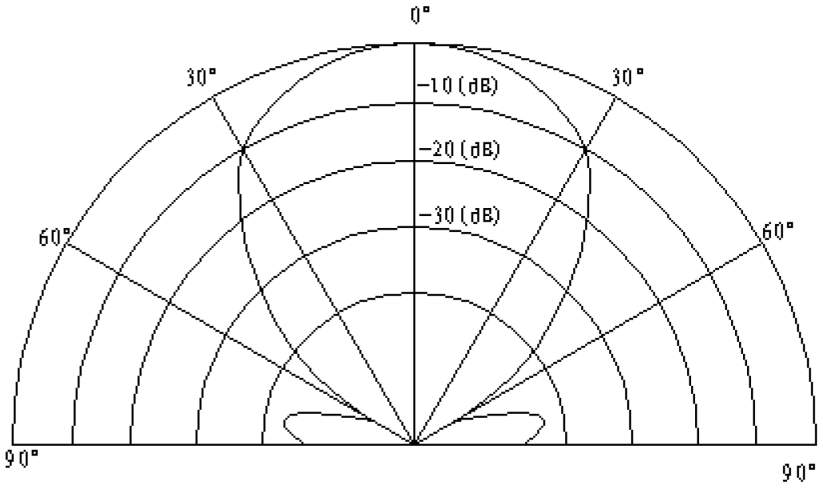
Recommended PCB Layout
Top View

BEAM PATTERNS

SPL vs. Frequency



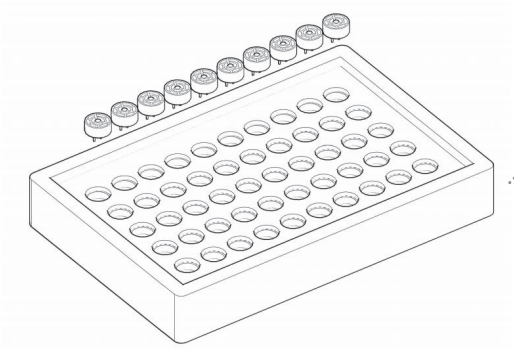
Directivity



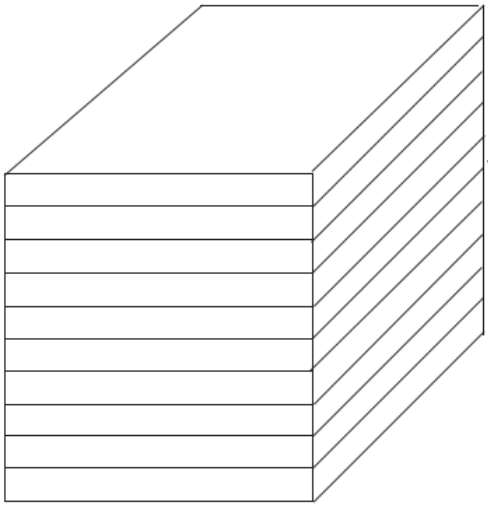
PACKAGING

units: mm

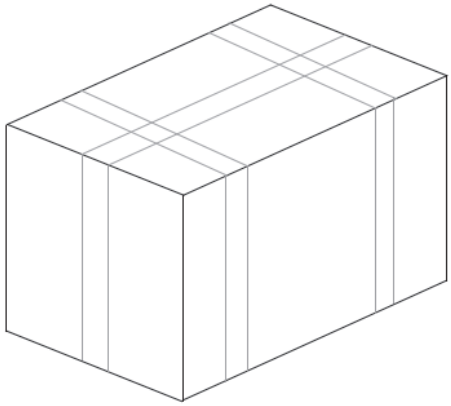
Tray Size: 240 x 160 x 30 mm
Tray QTY: 50 pcs per tray
Carton Size: 480 x 280 x 320 mm
Carton QTY: 2,000 pcs per carton



50PCS/BOX
BOX SIZE:24*16*3CM



10BOXES/STACK, TOTAL 500PCS
STACK SIZE:24*16*24CM



2000PCS/CARTON
CARTON SIZE:48*28*32CM

REVISION HISTORY

rev.	description	date
1.0	initial release	12/02/2020
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

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

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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.

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