CUI DEVICES

MODEL: CUSA-R80-15-2500-TH | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES

- aluminium can
- open type
- receiver
- sensitivity -75 dBV
- detectable range 15 meters



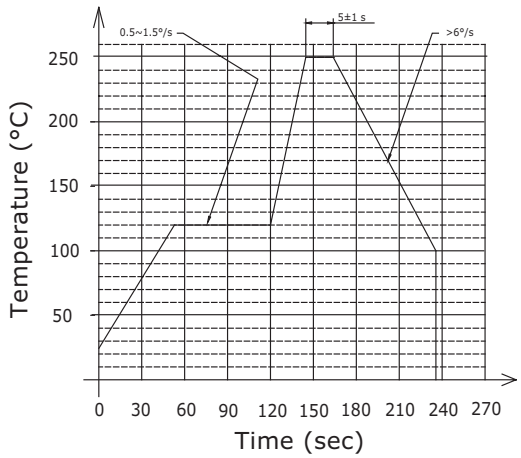
RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
type	receiver				
operating voltage	at 39 kHz			80	Vp-p
frequency		38	39	40	kHz
sensitivity		-75			dBV/µMbar
directivity			80		degree
capacitance	at 1 kHz	1,875	2,500	3,125	pF
detectable range		0.2		15	m
dimensions	Ø9.8 x 7.0				mm
material	aluminum				
terminal	pins (iron with tin plating)				
weight			0.74		g
operating temperature		-20		80	°C
RoHS	yes				

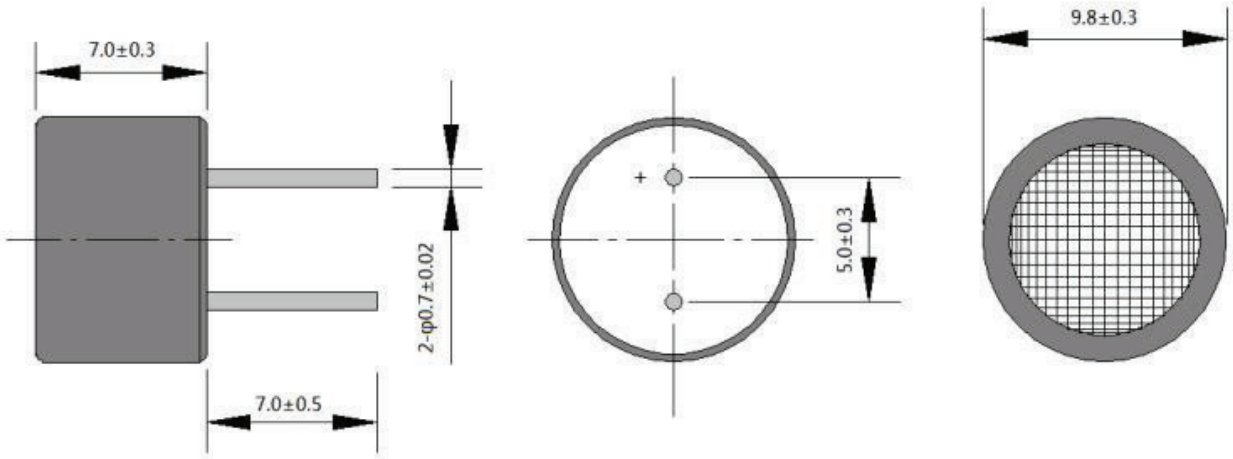
SOLDERABILITY

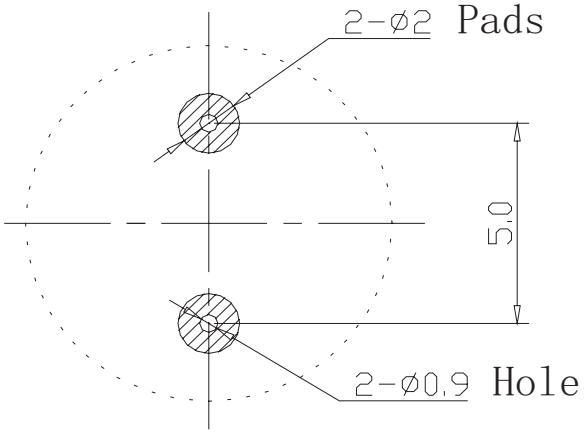
parameter	conditions/description	min	typ	max	units
hand soldering				250	°C



MECHANICAL DRAWING

units: mm

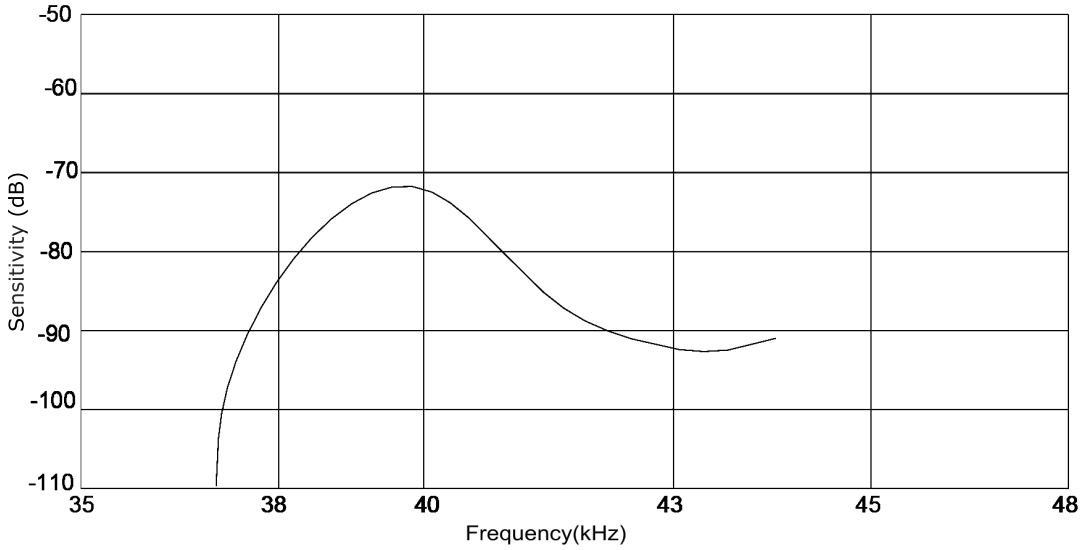




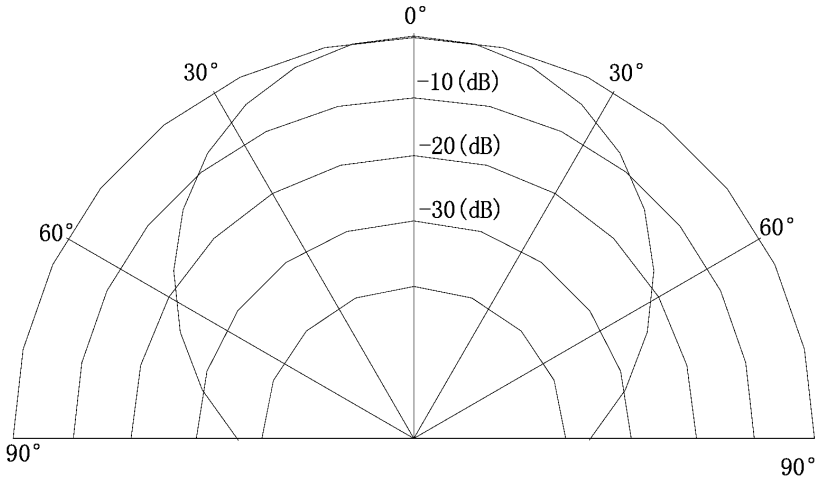
Recommended PCB Layout
Top View

BEAM PATTERNS

Sensitivity vs. Frequency



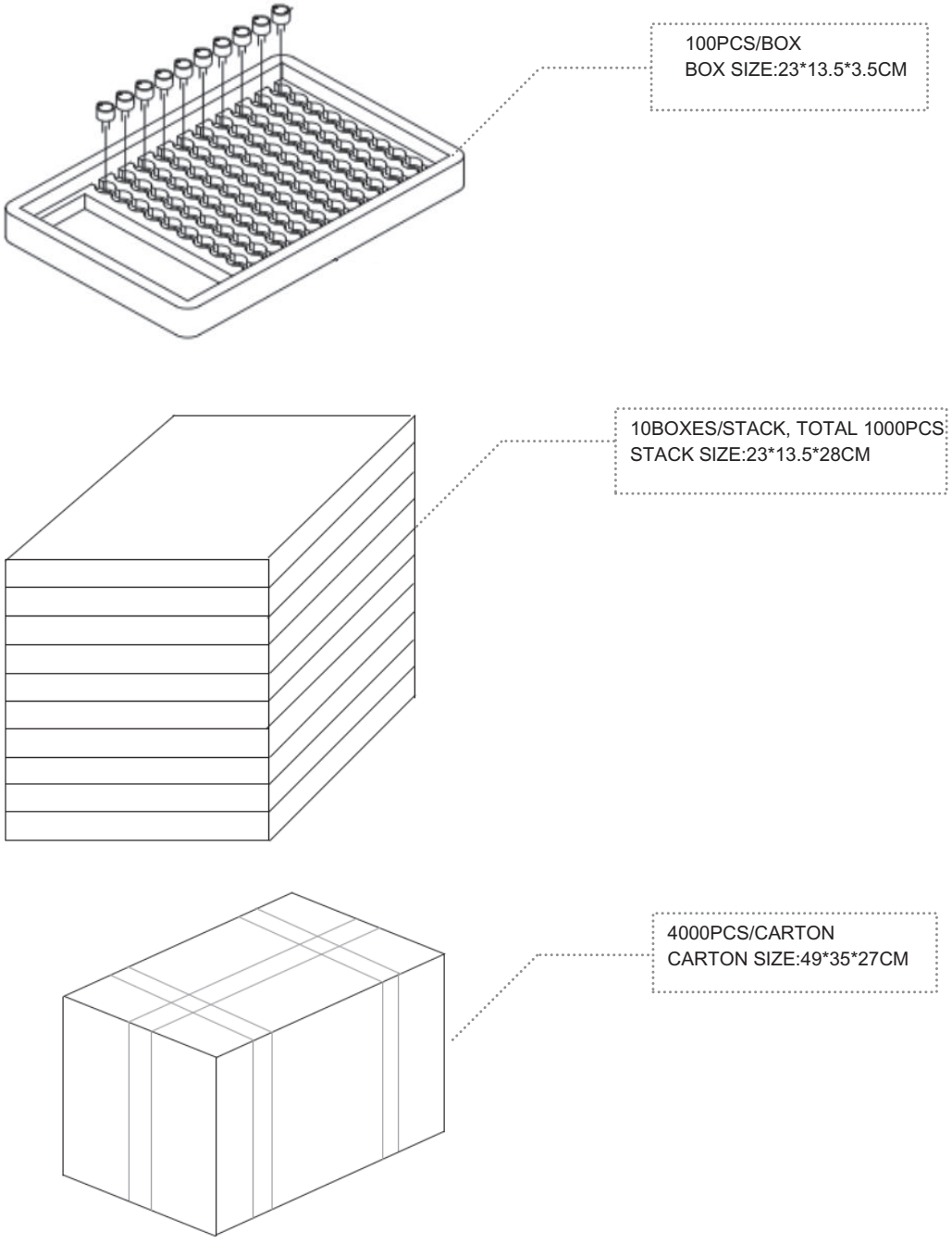
Directivity



PACKAGING

units: mm

Tray Size: 230 x 135 x 35 mm
Tray QTY: 100 pcs per tray
Carton Size: 490 x 350 x 270 mm
Carton QTY: 4,000 pcs per carton



REVISION HISTORY

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

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.

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

CUI Devices 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.

cuidevices.com

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Same Sky:

PJ-202AH CFM-A238BF-270-651 CPI-1375IC-80T CPM-2H SJ-43516-SMT-TR-PI TB007-508-02BE
UJ32-C-H-G-L1-MSMT-TR CBT-09427-SMT-TR CDM1222-12A-FW-F16-050-67 CFM-6015V-239-292-20
CPT-1117-83-SMT-TR DS01C-254-S-03BE PJ-067B SJ1-3535N TBL004V-508-02BE-2GY
TBP02P1-381-10BE CFM-2507CF-0140-313 CMC-5042PF-AC DS04-254-2-02BK-SMT TBP01R1-508-14BE
CMA-4544PF-W HSE-B20350-NP SJ-2523-SMT-TR CMP-5247TF-K PJ-047BH PJ-058AH
CFM-2510B-0130-275 CMI-9653S-SMT-TR CMM-2718AT-42316-TR PR4-5V-450-1A