CUI DEVICES

MODEL: CUSP-R80-18-2400-TH | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES

- plastic can
- open type
- receiver
- sensitivity -68 dBV
- detectable range 18 meters



RoHS

SPECIFICATIONS

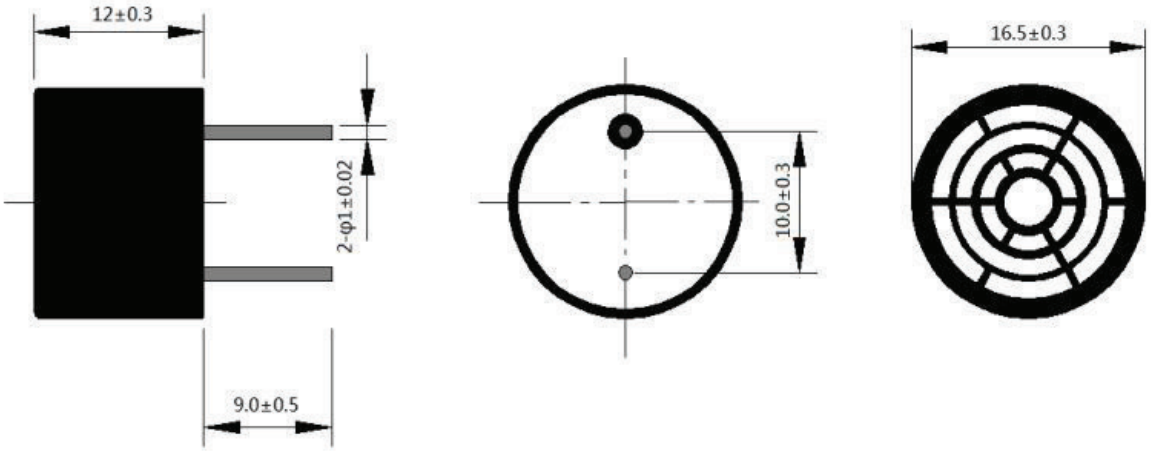
parameter	conditions/description	min	typ	max	units
type	receiver				
operating voltage	at 39 kHz			150	Vp-p
frequency		38	39	40	kHz
sensitivity		-68			dBV/µMbar
directivity			80		degree
capacitance	at 1 kHz	1,920	2,400	2,880	pF
detectable range		0.2		18	m
dimensions	Ø16.5 x 12.0				mm
material	ABS				
terminal	pins (iron with tin plating)				
weight			2.0		g
operating temperature		-20		70	°C
RoHS	yes				

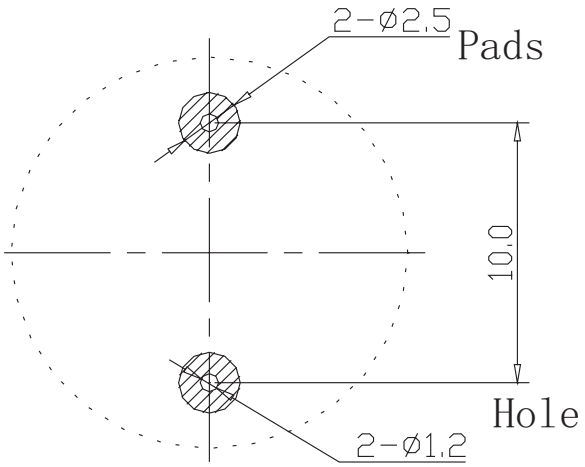
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for 3 ± 0.5 seconds	370	380	390	°C

MECHANICAL DRAWING

units: mm

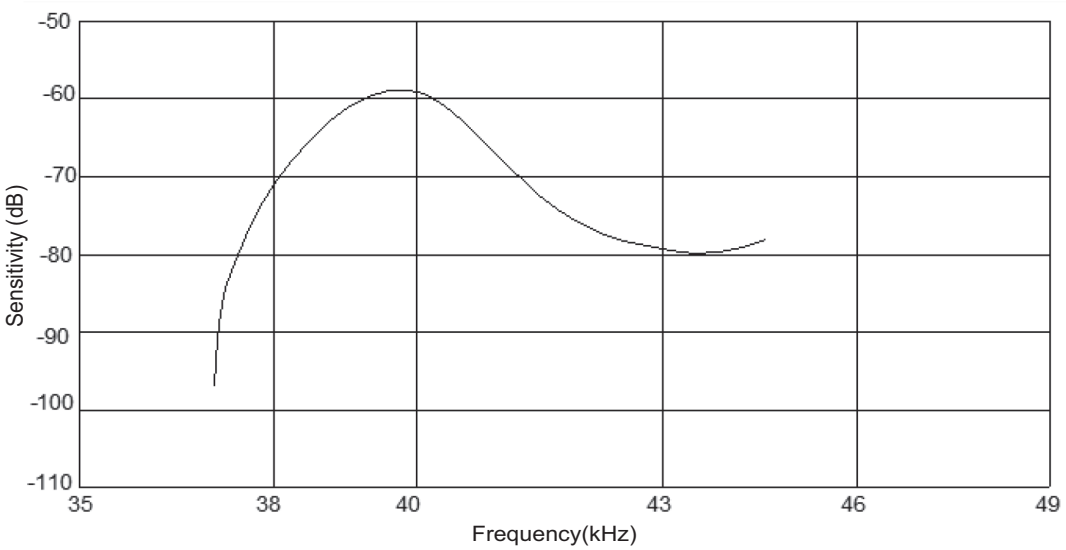




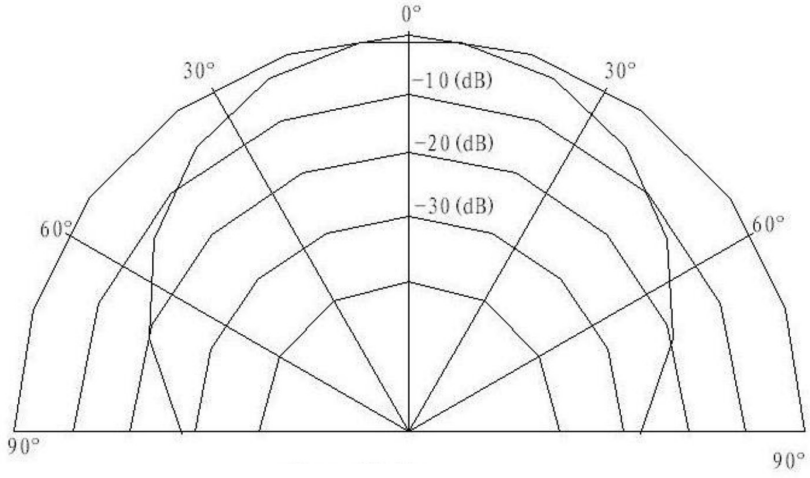
Recommended PCB Layout
Top View

BEAM PATTERNS

Sensitivity vs. Frequency



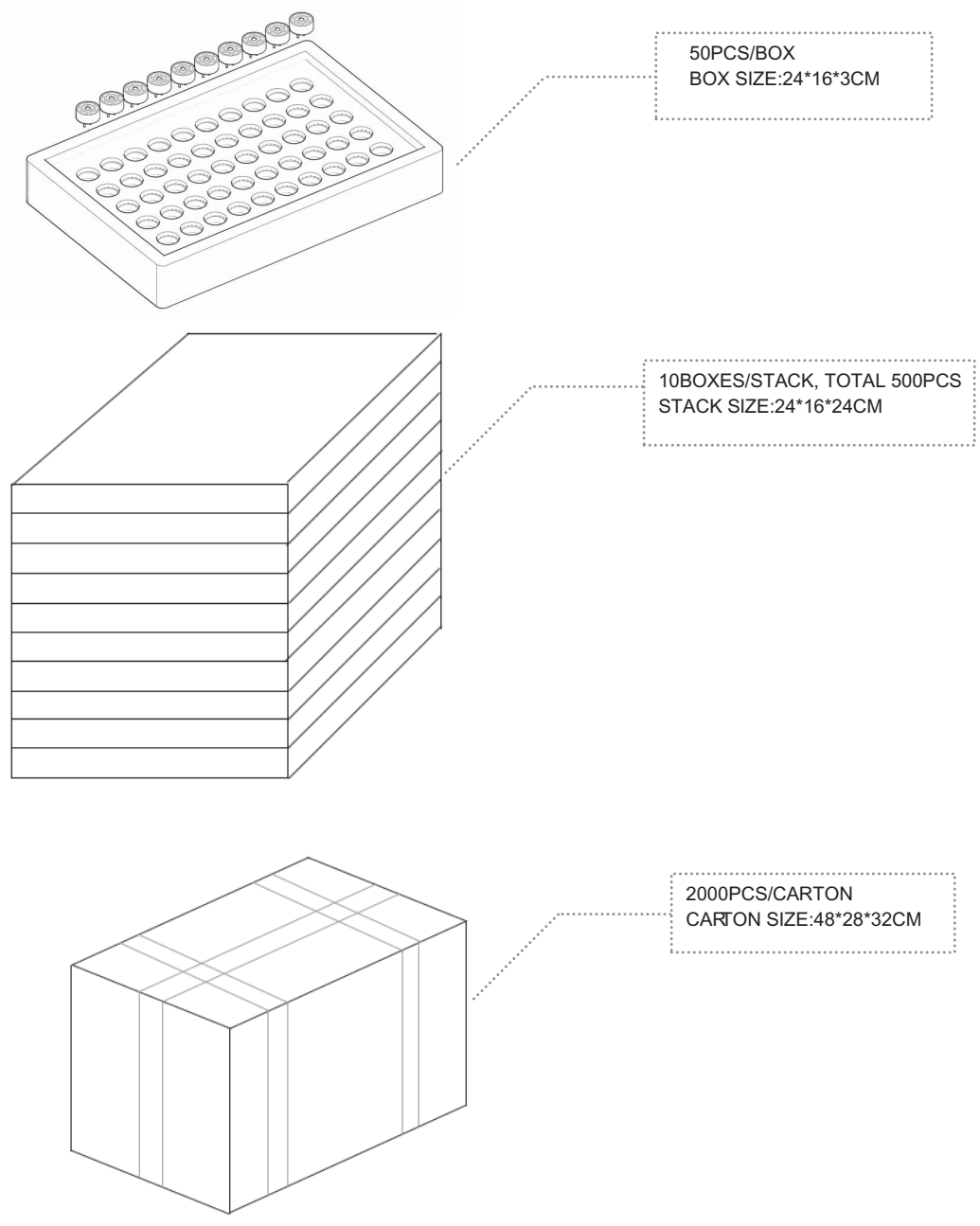
Directivity



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



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.

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