CUI DEVICES

MODEL: CUSP-T80-18-2400-TH | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES

- plastic can
- open type
- transmitter
- SPL 115 dB
- detectable range 18 meters



RoHS

SPECIFICATIONS

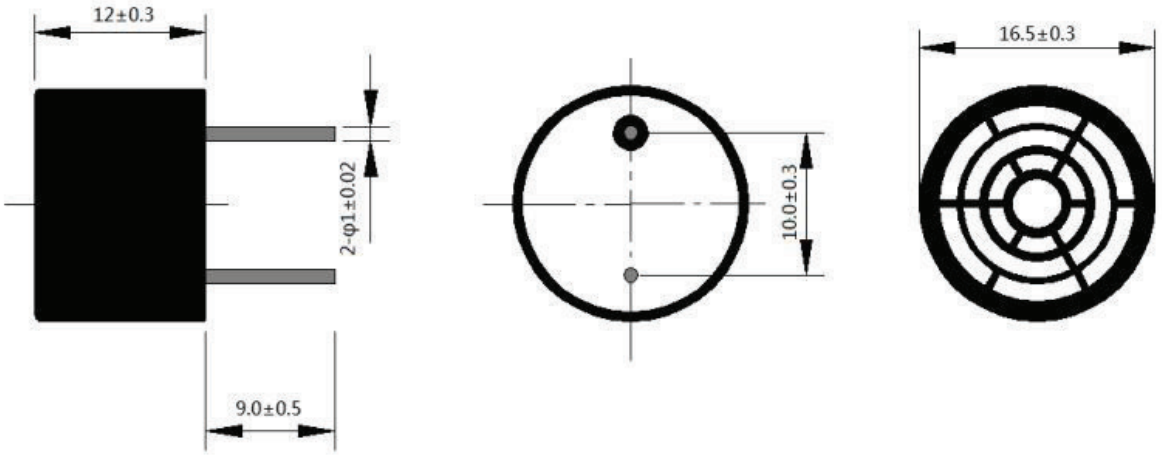
parameter	conditions/description	min	typ	max	units
type	transmitter				
operating voltage	at 40 kHz			150	Vp-p
frequency			40		kHz
sound pressure level	at 10 V, 30 cm, sine wave	115			dB
directivity			80		degree
capacitance	at 1 kHz	1,920	2,400	2,880	pF
detectable range		0.2		18	m
dimensions	Ø16.5 x 12.0				mm
material	ABS				
terminal	pins (iron with tin plating)				
weight			2.0		g
operating temperature		-20		70	°C
RoHS	yes				

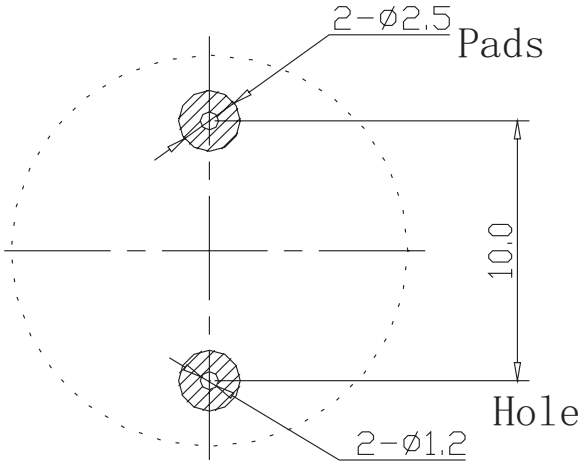
SOLDERABILITY

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

MECHANICAL DRAWING

units: mm

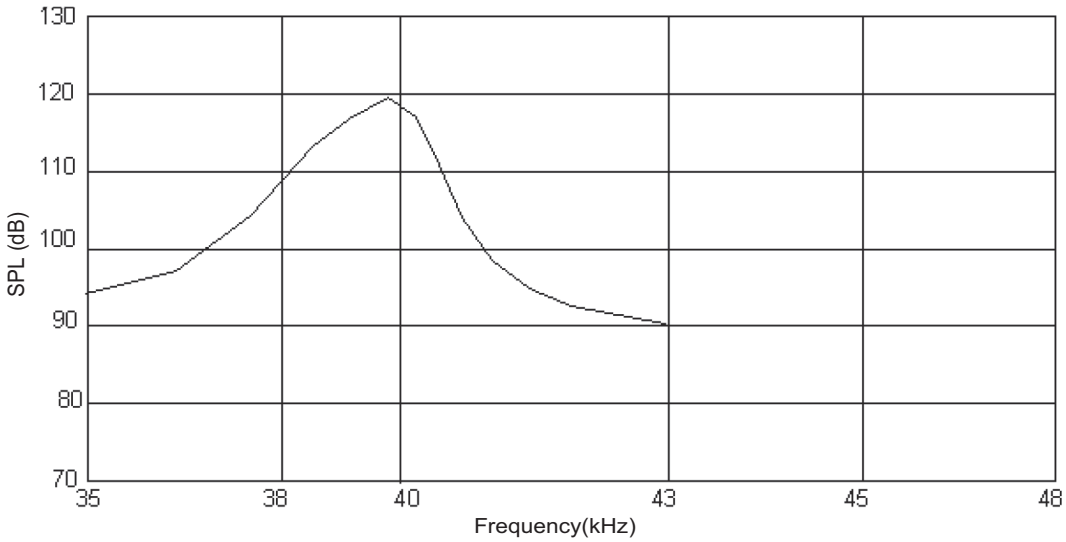




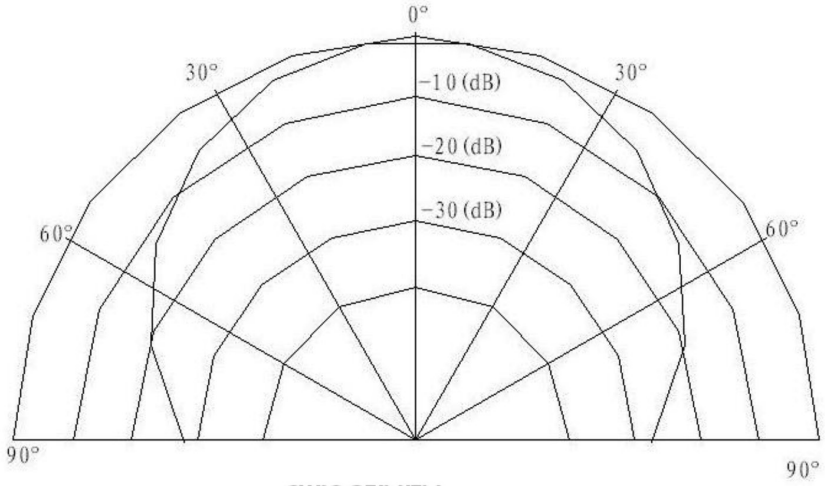
Recommended PCB Layout
Top View

BEAM PATTERNS

SPL vs. Frequency



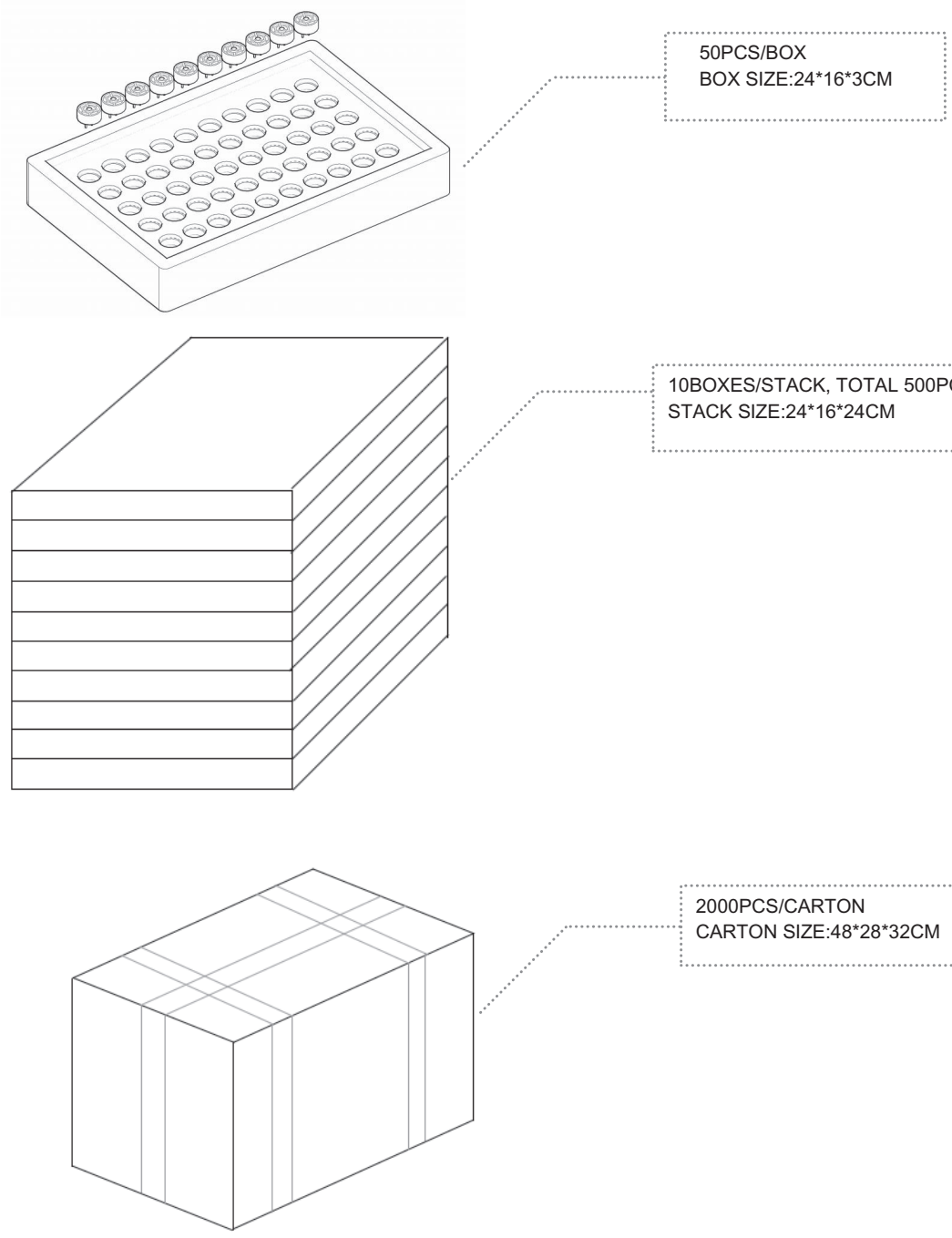
Directivity



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



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.

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