MODEL: CUSA-TR07-008-500-TH67 | DESCRIPTION: ULTRASONIC SENSOR

FEATURES

- aluminum can
- IP67 rated
- combination unit: receiver & transmitter
- high frequency

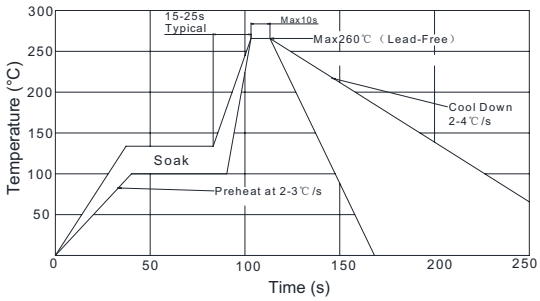


SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
type	transmitter/receiver				
operating voltage	at 400 kHz			400	Vp-p
frequency		385	400	415	kHz
echo sensitivity	at 0.2 m	200			mV
directivity	at -6 dB	5	7	9	degree
capacitance	at 1 kHz	350	500	650	pF
detectable range		0.05		0.8	m
response time	at 200 Vp-p, 400 kHz			0.29	ms
dimensions	Ø11 x 11				mm
material	aluminum				
terminal	pins (brass with tin plating)				
weight			2.4		g
operating temperature		-40		80	°C
storage temperature		-40		85	°C
RoHS	yes				
IP level	IP67				

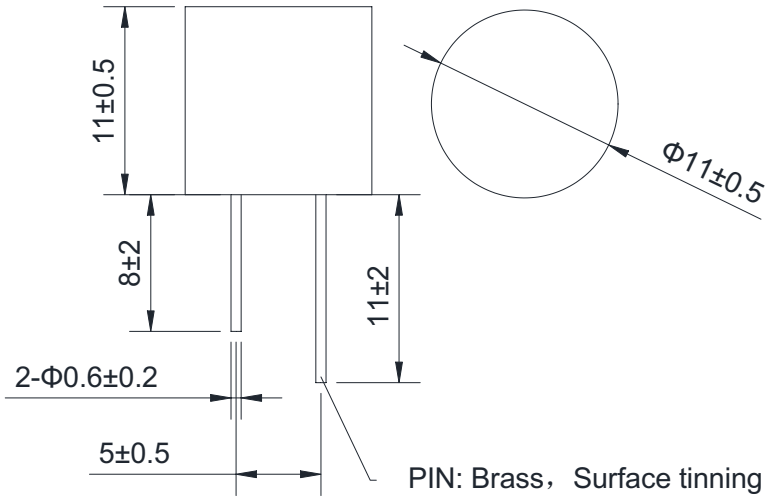
SOLDERABILITY

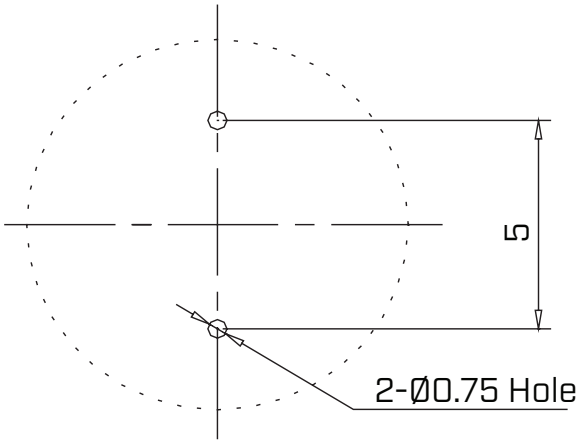
parameter	conditions/description	min	typ	max	units
wave soldering				260	°C



MECHANICAL DRAWING

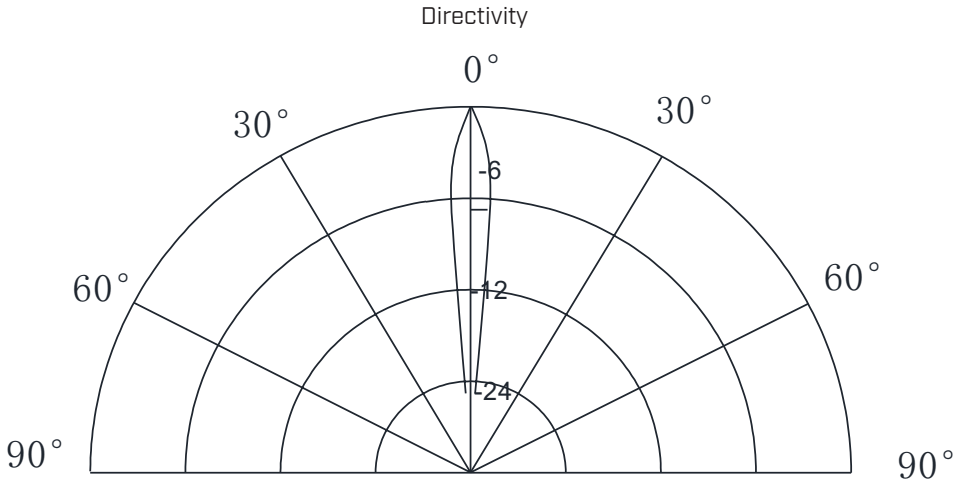
units: mm





Recommended PCB Layout
Top View

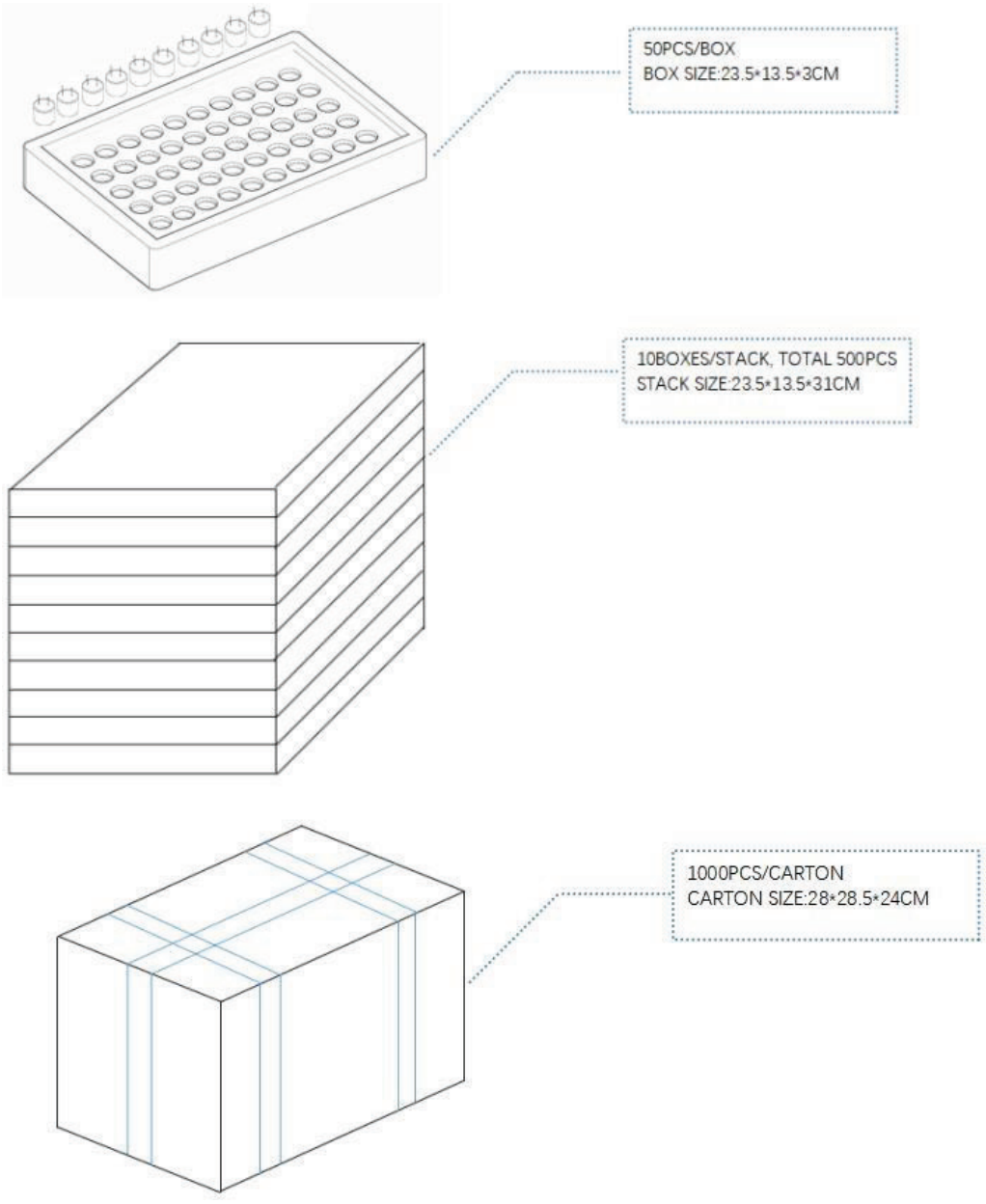
BEAM PATTERNS



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



REVISION HISTORY

rev.	description	date
1.0	initial release	05/24/2022
1.01	logo, datasheet style update	08/05/2022

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

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

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