


MODEL: CUSP-TR12-010-1150-WC | **DESCRIPTION:** ULTRASONIC SENSOR

FEATURES

- plastic housing
- combination receiver & transmitter
- IP65
- wire leads w/ 2-pin connector


SPECIFICATIONS

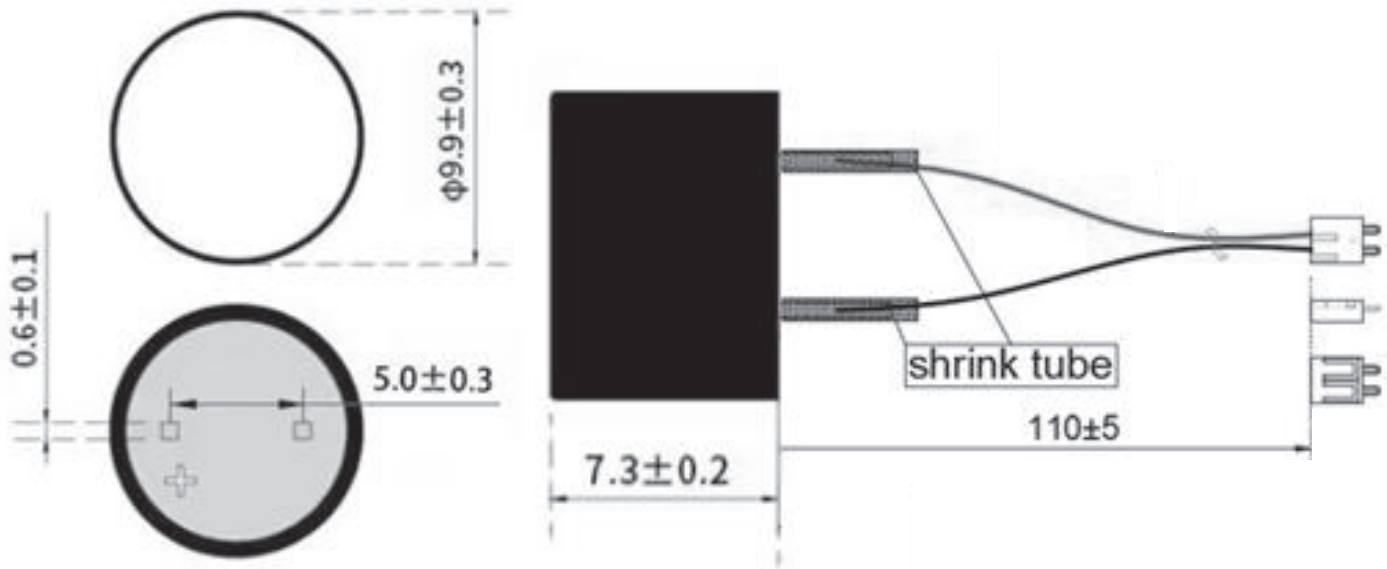
parameter	conditions/description	min	typ	max	units
type	receiver/transmitter				
operating voltage				50	Vp-p
frequency		270	300	330	kHz
echo sensitivity	at 10 cm	1.8		3.8	V
directivity	at -6 dB	9		12	degree
capacitance	at 1 kHz	920	1,150	1,380	pF
detectable range		0.05		1	m
response time	at 10 Vp-p, 5 pulses, 300 kHz			0.30	ms
impedance	at internal resistance 100 Ω , 1 kHz, 1 V	960	1,200	1,440	Ω
dimensions	\varnothing 9.9 x 7.3				mm
material	nylon (black)				
terminal	wire leads with connector				
weight			1.1		g
operating temperature		-20		60	$^{\circ}$ C
storage temperature		-20		70	$^{\circ}$ C
RoHS	yes				
IP level	IP65				

MECHANICAL DRAWING

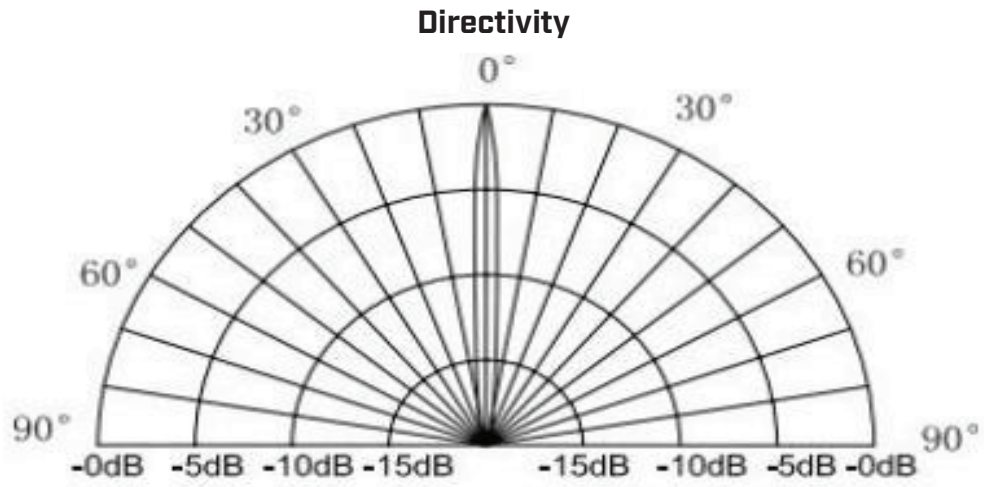
units: mm

wire: UL1571, 30 AWG

connector: JAM JB20-02HG



BEAM PATTERNS



REVISION HISTORY

rev.	description	date
1.0	initial release	08/09/2024
1.01	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 offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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

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.

[sameskydevices.com](https://www.sameskydevices.com)