CUDEVICES

SERIES: CDS-4528-44XX | DESCRIPTION: SPEAKER

FEATURES

- double magnet design
- 4 ohm
- 84 dB at 1 m



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power			4.0	6.0	W
impedance	at 2 kHz, 2.0 V	3.2	4	4.8	Ω
resonant frequency (Fo)	at 2.0 V	160	200	240	Hz
frequency response		200		20,000	Hz
sound pressure level	at 1 W, 1 m, avg at 1.0, 2.0, 3.0, 4.0 kHz	81	84	87	dB
distortion	at 1.0 kHz, 1.0 W (standard baffle)			5	%
buzz, rattle, etc.	must be normal at sine wave between 300 Hz ~ 20 kHz			4	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	45.2 x 45.2 x 28.1				mm
magnet	Nd-Fe-B				
frame material	SPCC				
cone material	PU + paper				
weight			36		g
operating temperature		-20		60	°C
storage temperature		-30		70	°C
hand soldering	for 3~5 seconds	370	380	390	°C
RoHS	yes				

Notes: 1. All specifications measured at 15~35°C, humidity at 25~75%, 86~106 kPa, unless otherwise noted.

PART NUMBER KEY

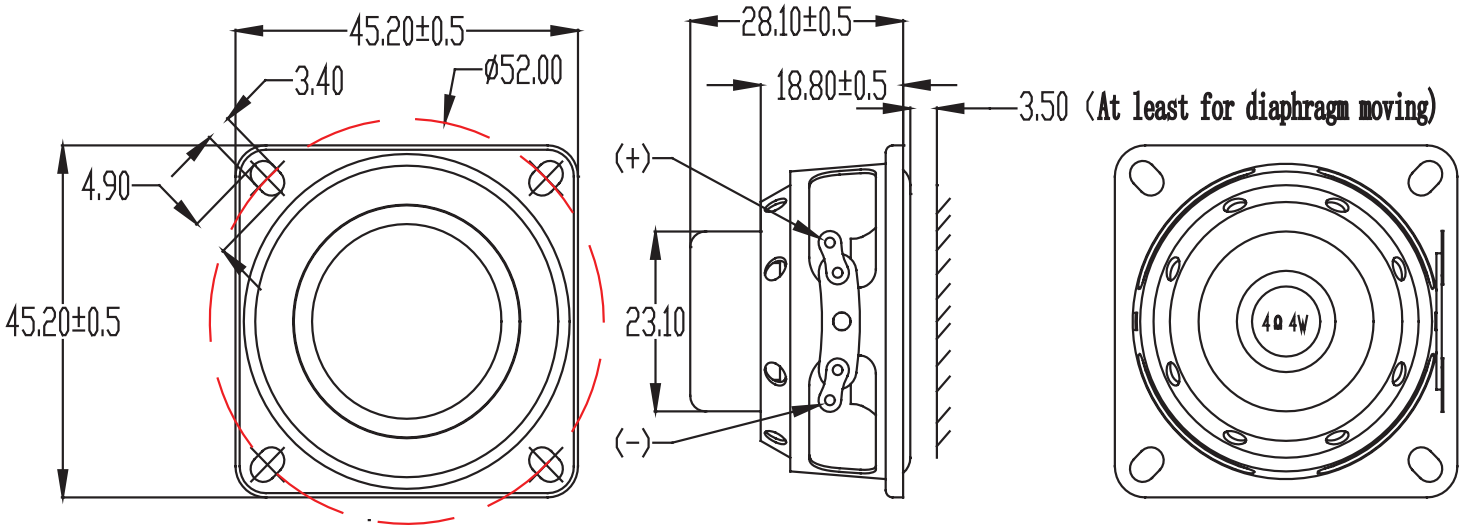
CDS - 4528 - 44 **XX**

Base Number

Termination Options:
SP = solder terminals
L100 = wire leads

MECHANICAL DRAWING (SOLDER TERMINALS)

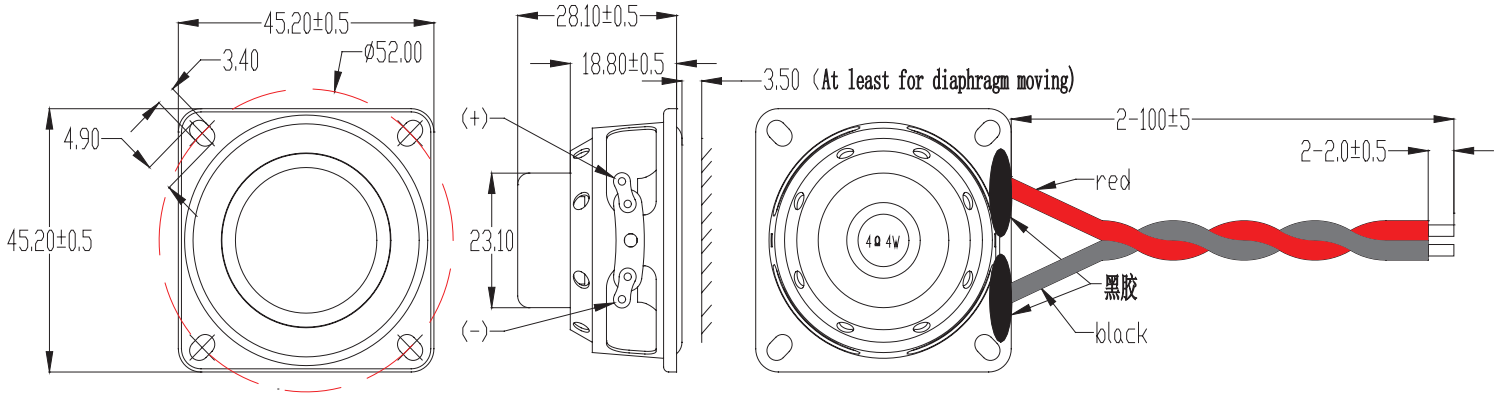
units: mm
tolerance: ±0.5 mm
unless specified otherwise



MECHANICAL DRAWING (WIRE LEADS)

units: mm
tolerance: ±0.5 mm
unless specified otherwise

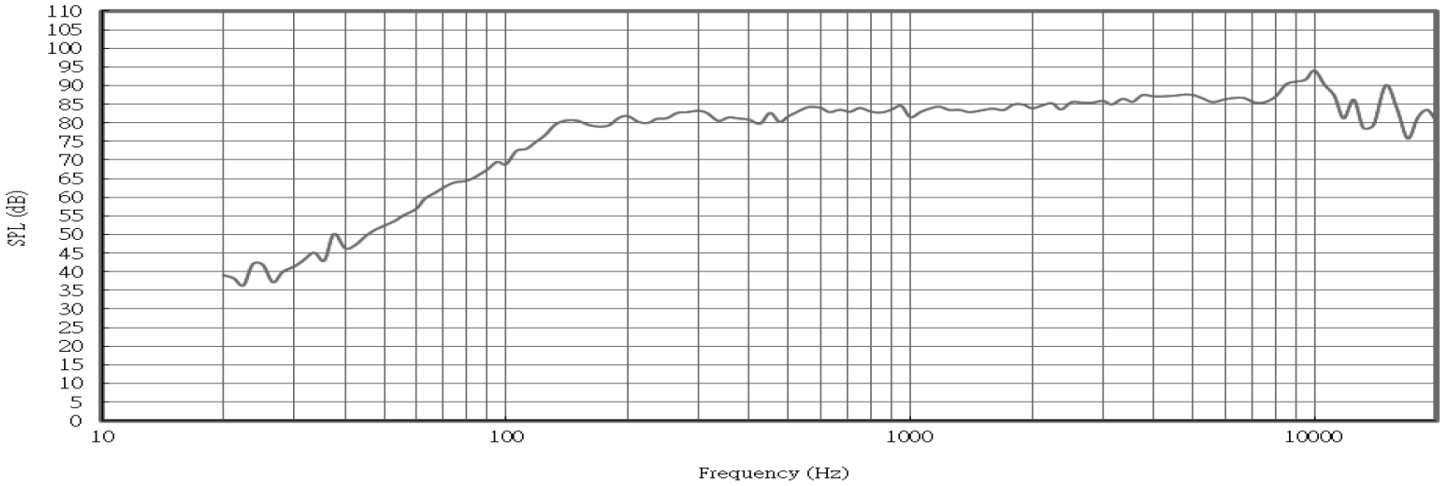
wire: UL1571 28 AWG



RESPONSE CURVES

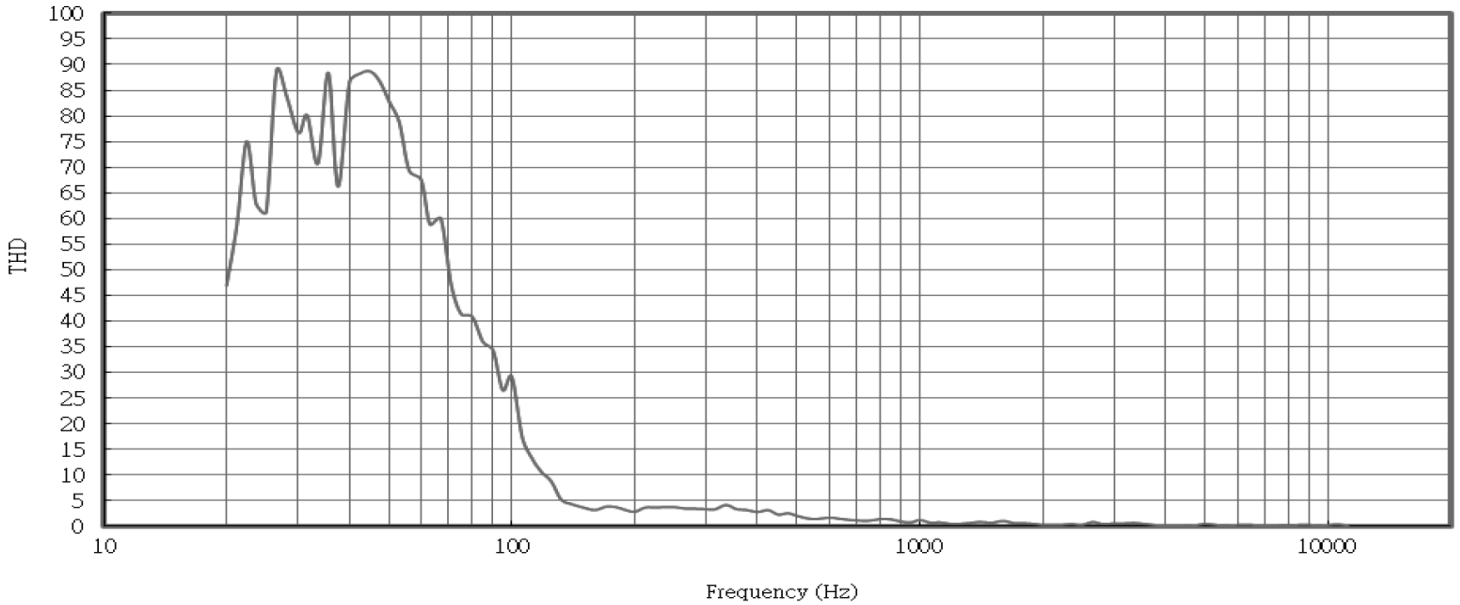
Frequency Response Curve

Test Conditions: 1.0 W / 1.0 m



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 1.0 m



REVISION HISTORY

rev.	description	date
1.0	initial release	07/13/2023

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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