# **CUI** DEVICES

date 01/22/2020

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SERIES: CDS-27204-L100 | DESCRIPTION: SPEAKER

#### **FEATURES**

- micro-speaker
- high SPL
- 4 ohm impedance
- wire leads





### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp		2.0	2.5	W
impedance	at 1.5 kHz, 1.0 V	3.4	4	4.6	Ω
resonant frequency (Fo)	at 1.0 V	680	850	1,020	Hz
frequency response	output SPL 10 ±dB	Fo		20,000	Hz
sound pressure level	at 1.0 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz	90	93	96	dB
distortion	at 1.0 kHz, 2.0 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20 kHz		2.83		V
polarity	cone will move forward with positive dc current to "+" terminal				
dimensions	27.0 x 20.0 x 5.9				mm
magnet	Nd-Fe-B				
material	ABS				
cone material	cloth				
terminal	wire leads				
weight			9.6		g
operating temperature		-20		55	°C
storage temperature		-30		70	°C
RoHS	yes				

1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

## **PART NUMBER KEY**

CDS-27204-L100 X

Base Number

Termination Style:

"blank" = wire leads, no connector 1 = JST housing SHR-2V-S-B

2 = JST housing ZHR-2

3 = JST housing PHR-2

4 = JST housing HER-2 5\* = JST housing PHR-4

6 = Molex housing 51021-0200

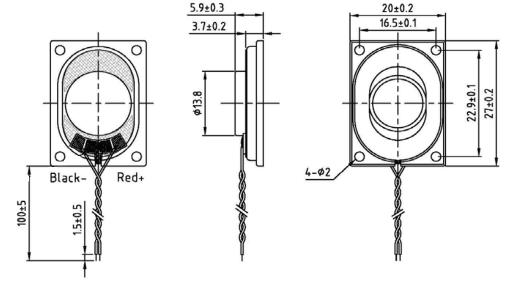
\*Discontinued JST housing PHR-4 option.

## **MECHANICAL DRAWING**

units: mm

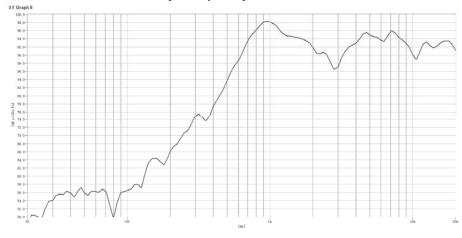
tolerance: ±0.3 mm

wire: UL3302 HF 32 AWG

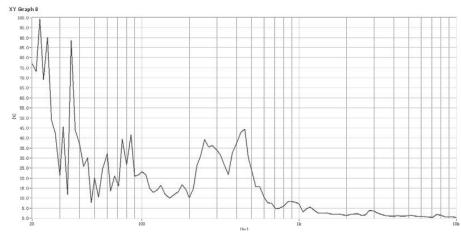


# **RESPONSE CURVES**

## **Frequency Response Curve**



## **Total Harmonic Distortion Curve**



Additional Resources: Product Page | 3D Model

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### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	03/25/2015	
1.01	added connector options	07/15/2016	
1.02	discontinued JST housing PHR-4 option	07/01/2019	
1.03	brand update	01/22/2020	

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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