

**MODEL:** CDS-27208 | **DESCRIPTION:** SPEAKER

**FEATURES**

- micro-speaker
- high SPL
- 8 ohm impedance


**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	6.8	8	9.2	$\Omega$
resonant frequency (Fo)	at 1.0 V	680	850	1,020	Hz
frequency response	output SPL $\pm 10$ 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	92	95	98	dB
distortion	at 1.0 kHz, 2.0 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo $\sim$ 20 kHz		4.0		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	solder pads				
weight			9.6		g
operating temperature		-20		55	$^{\circ}\text{C}$
storage temperature		-30		70	$^{\circ}\text{C}$
RoHS	2011/65/EU				

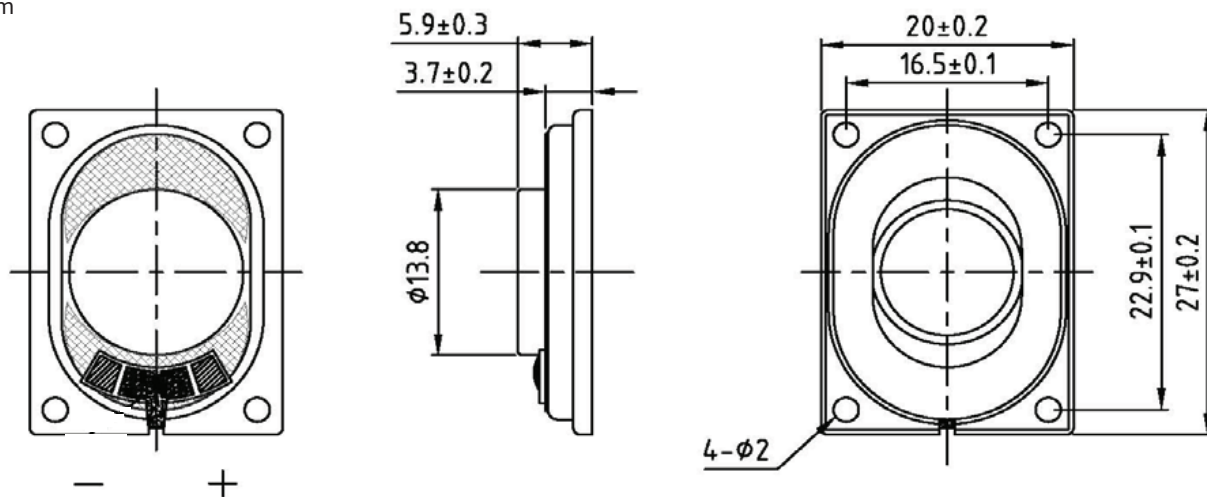
Notes: 1. All specifications measured at 5~35 $^{\circ}\text{C}$ , humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 $\pm$ 1 seconds	360	370	380	$^{\circ}\text{C}$

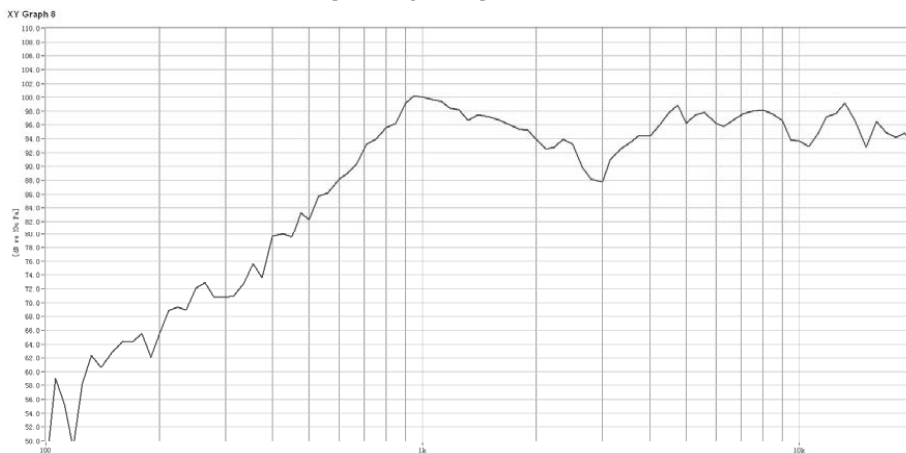
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.3$  mm

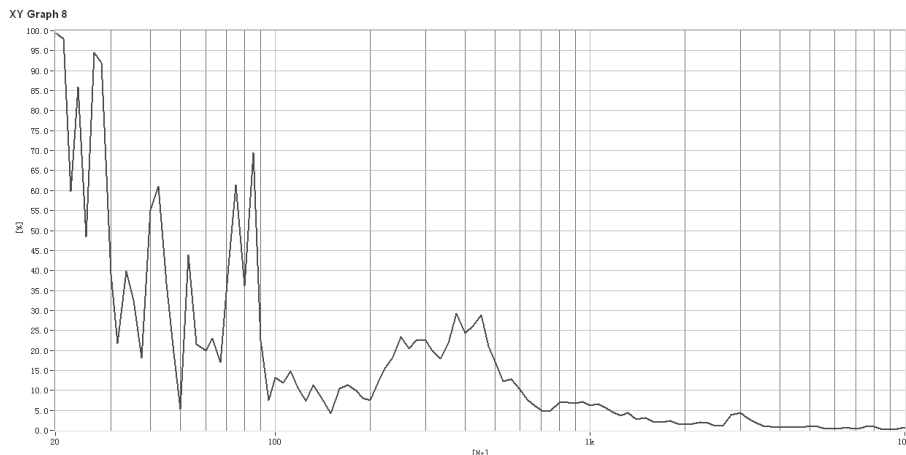


## RESPONSE CURVES

### Frequency Response Curve



### Total Harmonic Distortion Curve



## REVISION HISTORY

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rev.	description	date
1.0	initial release	03/25/2015

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



**CUI INC**<sup>®</sup>

**Headquarters**  
20050 SW 112th Ave.  
Tualatin, OR 97062  
**800.275.4899**

Fax 503.612.2383  
**cui.com**  
techsupport@cui.com

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

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