

date 12/07/2023

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# MODEL: CMS-3642-2SP | DESCRIPTION: SPEAKER

#### **FEATURES**

- 4 ohm
- 2.0 W
- solder pads





### **SPECIFICATIONS**

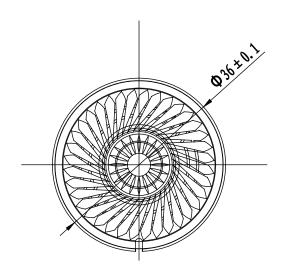
parameter	conditions/description	min	typ	max	units
input power	max power: 1 minute on, 2 minutes off, 10 cycles		2.0	2.5	W
impedance	at 1.5 kHz, 1 V	3.4	4	4.6	Ω
resonant frequency (Fo)	at 1 V	304	380	456	Hz
frequency response		Fo		10,000	Hz
sound pressure level	at 0.1 W, 10 cm, avg at 0.6, 0.8, 1.2, 1.5 kHz at 2.0 W, 10 cm, avg at 0.6, 0.8, 1.2, 1.5 kHz	85 98	88 101	91 104	dB dB
distortion	at 380 ~ 6 kHz, 1 W, 10 cm			20	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 10 kHz			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	Ø36 x 4.2				mm
magnet	Nd-Fe-B				
frame material	SPCC				
cone material	PET (black)				
terminal	solder pads				
weight			12		g
operating temperature		-25		70	°C
storage temperature		-25		80	°C
hand soldering	for 3-5 seconds	370	380	390	°C
RoHS	yes				

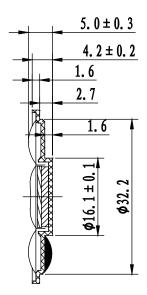
Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

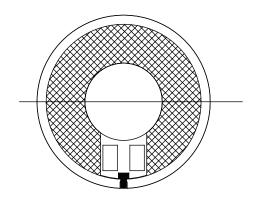
## **MECHANICAL DRAWING**

units: mm

tolerance: ±0.3 mm

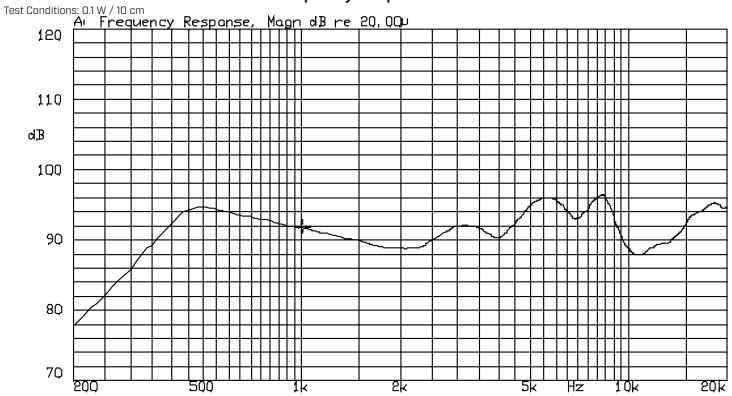






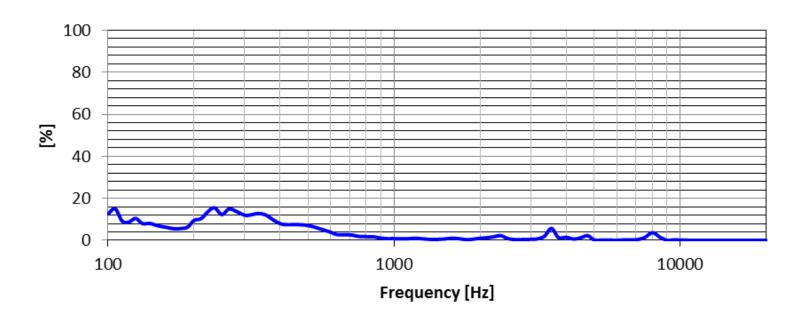
## **RESPONSE CURVES**

### **Frequency Response Curve**



**Total Harmonic Distortion Curve** 

Test Conditions: 0.1 W / 10 cm



Additional Resources: Product Page

CUI DEVICES | MODEL: CMS-3642-2SP | DESCRIPTION: SPEAKER

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#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	12/07/2023	

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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