

Excellent Integrated System Limited

Stocking Distributor

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[CUI Inc.](#)
[CDS-40304](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



MODEL: CDS-40304 | DESCRIPTION: SPEAKER

FEATURES

- micro-speaker
- wide operating temp range
- 4 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	3.0	W
impedance	at 2.0 kHz, 1.0 V	3.4	4	4.6	Ω
resonant frequency (Fo)	at 1.0 V	320	400	480	Hz
frequency response	average SPL -10 dB	Fo		20,000	Hz
sound pressure level	at 2.0 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz at 1.0 W, 1.0 m ave, at 0.8, 1.0, 1.2, 1.5 kHz	99 76	102 79	105 82	dB dB
distortion	at Fo ~ 6 kHz, 2 W			15	%
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	40 x 30 x 7.1				mm
magnet	Nd-Fe-B				
material	ABS777				
cone material	paper + cloth				
terminal	solder pads				
weight			7.5		g
operating temperature		-30		70	°C
storage temperature		-40		85	°C
RoHS	2011/65/EU				

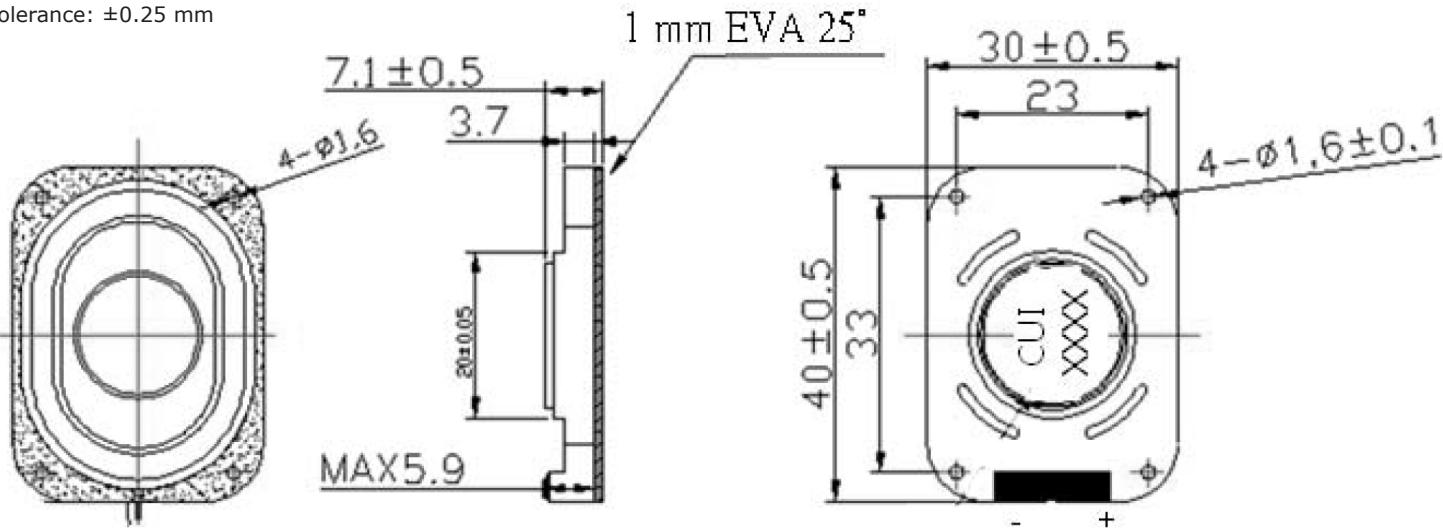
Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	370	380	390	°C

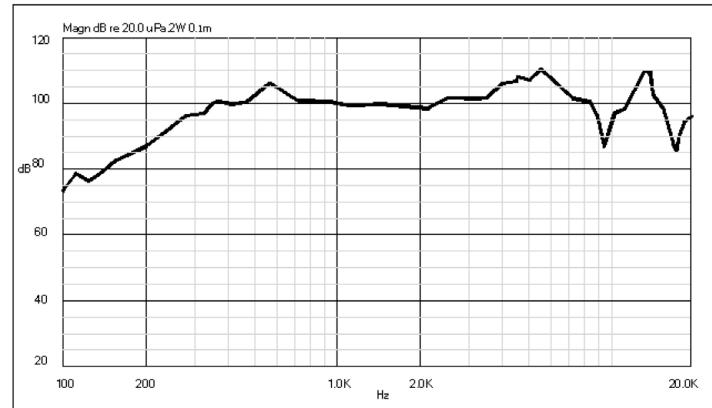
MECHANICAL DRAWING

units: mm
tolerance: ± 0.25 mm

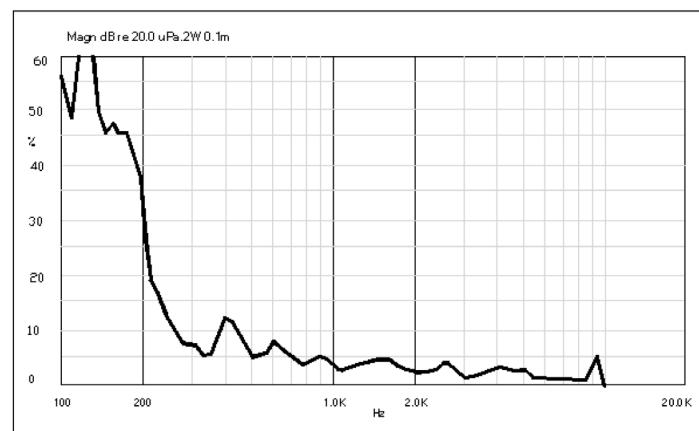


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



REVISION HISTORY

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.



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

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

CUI 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.